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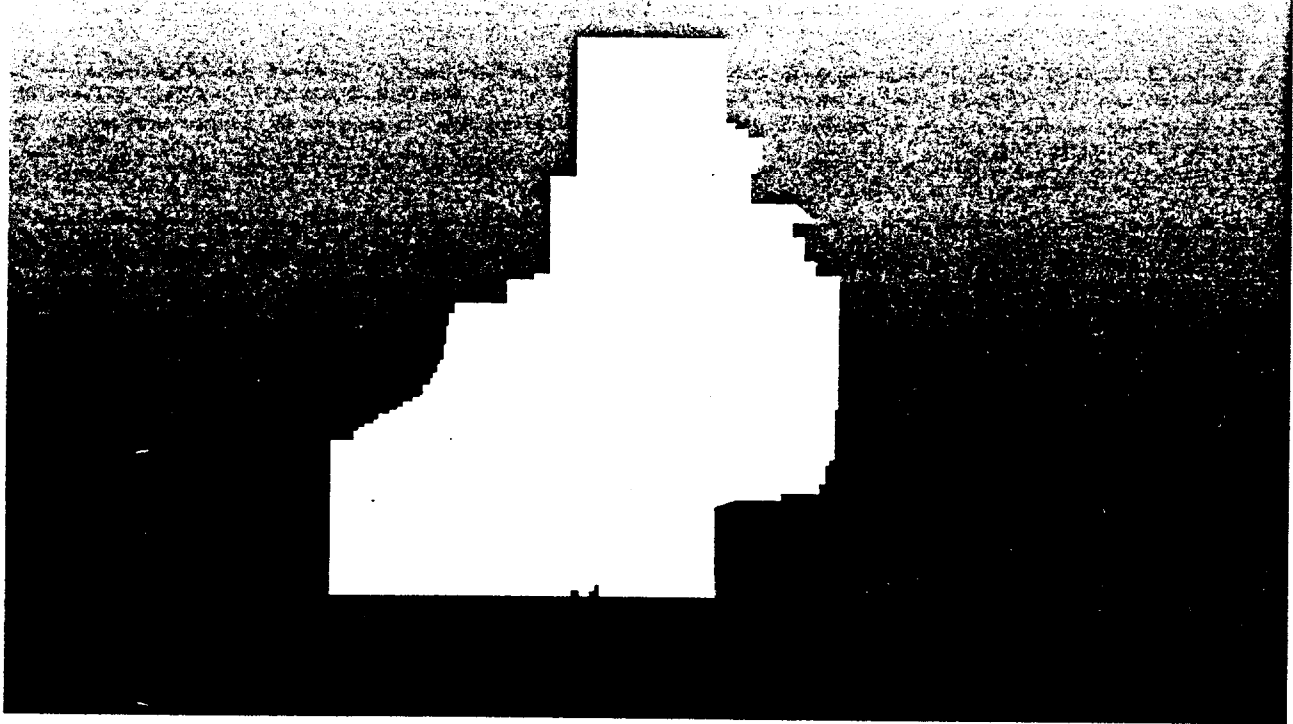
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EIS PROJECT ~~AK/PF~~

Control # 336

PF-2622

# Federal Facility Agreement and Consent Order



THE STATE OF IDAHO,  
DEPARTMENT OF  
HEALTH & WELFARE

THE UNITED STATES  
ENVIRONMENTAL PROTECTION  
AGENCY, REGION 10

THE UNITED STATES  
DEPARTMENT OF ENERGY,

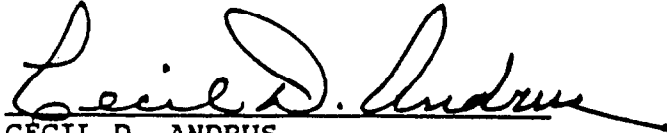
IDAHO FIELD OFFICE  
**INFORMATION ONLY**

*for the*  
Idaho National Engineering Laboratory

1                   Signature sheet for the foregoing Federal Facility  
2 Agreement and Consent Order for the Idaho National Engineering  
3 Laboratory among the U.S. Environmental Protection Agency, the  
4 U.S. Department of Energy, and the Idaho Department of Health and  
5 Welfare.

6                   EFFECTIVE this 9th day of December, 1991.

7  
8                   FOR THE IDAHO DEPARTMENT OF HEALTH AND WELFARE:

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10 

11 CECIL D. ANDRUS  
12 Governor  
13 State of Idaho

12-9-91  
Date

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17 REPRESENTED BY: Curt Fransen, Esq.

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23 Copied from original

December 4, 1991

1 Signature sheet for the foregoing Federal Facility  
2 Agreement and Consent Order for the Idaho National Engineering  
3 Laboratory among the U.S. Environmental Protection Agency, the  
4 U.S. Department of Energy, and the Idaho Department of Health and  
5 Welfare.

6 EFFECTIVE this 9th day of December, 1991.

7  
8 FOR THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY:

9  
10 Dana A. Rasmussen  
11 DANA A. RASMUSSEN  
12 Regional Administrator, Region 10  
13 U.S. Environmental Protection Agency  
14  
15  
16

12/9/91  
Date

17 REPRESENTED BY: Monica Kirk, Esq.  
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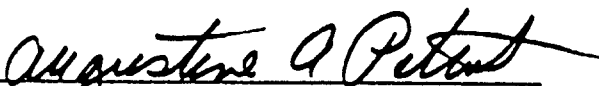
26 FEDERAL FACILITY AGREEMENT - PAGE 51  
27 IDAHO NATIONAL ENGINEERING LABORATORY  
28

December 4, 1991


Signature sheet for the foregoing Federal Facility  
Agreement and Consent Order for the Idaho National Engineering  
Laboratory among the U.S. Environmental Protection Agency, the  
U.S. Department of Energy, and the Idaho Department of Health and  
Welfare.

EFFECTIVE this 9th day of December, 1991.

FOR THE UNITED STATES DEPARTMENT OF ENERGY:

  
AUGUSTINE A. PITROLO  
U.S. Department of Energy  
Idaho Field Office

12/9/91  
Date

  
THERON M. BRADLEY  
Manager, Naval Reactors Idaho Branch Office  
U.S. Department of Energy

Dec 9, 1991  
Date

REPRESENTED BY: Brett Bowhan, Esq.  
Dean Monroe, Esq.  
Debra Wilcox, Esq.

Copied from original

December 4, 1991

1                   32.2       The terms of the Five-Year Plan shall be consistent with the provisions of  
2 this Agreement, including all requirements and schedules contained herein; U.S. DOE's Five-Year Plan  
3 shall be drafted and updated in a manner that ensures that the provisions of this Agreement are incorpo-  
4 rated into the U.S. DOE planning and budget process. Nothing in the Five-Year Plan shall be construed  
5 to affect the provisions of this Agreement.

6                   32.3       U.S. DOE is developing a national prioritization system for inclusion in the  
7 Five-Year Plan. U.S. DOE's application of its national prioritization system may indicate to U.S. DOE  
8 that amendment or modification of the provisions and/or schedules established by this Agreement is  
9 appropriate. In that event, U.S. DOE may request, in writing, amendment or modification of this Agree-  
10 ment, including deadlines established herein. Where the Parties are unable to reach agreement on a  
11 requested amendment or modification, U.S. DOE may invoke the dispute resolution provisions of this  
12 Agreement. Pending resolution of any such dispute, the provisions and deadlines in effect pursuant to this  
13 Agreement shall remain in effect and enforceable in accordance with the terms of this Agreement. Any  
14 amendment or modification of this Agreement will be incorporated, as appropriate, in the annual update  
15 to U.S. DOE's Five-Year Plan.

16  
17                                   XXXIII. SEVERABILITY

18                   33.1       If any provision of this Agreement is ruled invalid, illegal, or unconstitu-  
19 tional, the remainder of the Agreement shall not be affected by such ruling.

20  
21                                   XXXIV. EFFECTIVE DATE

22                   34.1       This Agreement is effective upon signature by all Parties.

1                   31.5       This Agreement shall not be construed to limit in any way the right provided  
2 by law to the public or any citizen to obtain information about the work to be performed under this Agree-  
3 ment or to sue or intervene in any action to enforce state or federal law.

4                   31.6       Except as provided herein, U.S. DOE is not released from any liability which  
5 it may have pursuant to any provisions of state and federal law. U.S. DOE is not released from any claim  
6 for liability for destruction or loss of natural resources.

7                   31.7       This Agreement shall not transfer U.S. EPA's authorities as prohibited by  
8 Section 120 (g) of CERCLA, 42 U.S.C. § 9620 (g), or in any way authorize a physically inconsistent  
9 response action, as prohibited by Section 122 (e) (6) of CERCLA, 42 U.S.C. w 122 (e) (6), or provide for  
10 review inconsistent with Section 113 (h) of CERCLA, 42 U.S.C. w 9613 (h), subject to exhaustion of  
11 rights under Part IX.

12                   31.8       IDHW reserves the right under HWMA to enforce permit requirements, in-  
13 cluding corrective action. IDHW agrees to exhaust its rights under Part IX prior to taking any action to  
14 enforce the permit corrective action requirements.

15                   31.9       In the event of any administrative or judicial action by U.S. EPA or IDHW  
16 under this Part, all Parties reserve all rights, claims, and defenses available under law, including the right  
17 to contest the legal enforceability of State corrective action or other requirements against U.S. DOE.  
18

19                   XXXII. RELATIONSHIP TO U.S. DOE'S FIVE-YEAR PLAN

20                   32.1       U.S. DOE is preparing an Environmental Restoration and Waste Management  
21 Five-Year Plan (the "Five-Year Plan") to identify, integrate, and prioritize U.S. DOE's compliance and  
22 cleanup activities at all U.S. DOE nuclear facilities and sites. The Five-Year Plan will assist U.S. DOE in  
23 addressing environmental requirements at its facilities and sites and in developing and supporting its bud-  
24 get requests. U.S. DOE will update the Five-Year Plan on an annual basis.  
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XXXI. RESERVATION OF RIGHTS

31.1 The Parties have determined that the activities to be performed under this Agreement are in the public interest. U.S. EPA and IDHW agree that compliance with this Agreement shall stand in lieu of any administrative and judicial remedies against U.S. DOE which are available to U.S. EPA and IDHW regarding releases or threatened releases of hazardous substances at INEL which are the subject of the activities performed by U.S. DOE under this Agreement.

31.2 Nothing in this Agreement shall preclude U.S. EPA or IDHW from exercising any administrative or judicial remedies available to them under the following circumstances:

(a) In the event or upon the discovery of a violation of, or noncompliance with, any provision of RCRA or HWMA, including any discharge or release of hazardous waste which is not addressed by this Agreement; or

(b) Upon discovery of new information regarding hazardous substances, including but not limited to, information regarding releases of hazardous substances to the environment which is not addressed by this Agreement; or

(c) Upon U.S. EPA's or IDHW's determination, after dispute resolution, that a proposed remedy will not be protective of human health and the environment under CERCLA. If IDHW exercises its rights under this subparagraph, it shall withdraw from the Agreement with respect to the ROD at issue within sixty (60) days following the effective date of the ROD.

31.3 In the event of a judicial dispute concerning IDHW authority over any hazardous substance at a WAG, IDHW shall continue in the lead role as provided herein as to the issues in dispute except in exceptional circumstances as determined jointly by U.S. EPA and IDHW. As to the issues under judicial dispute, U.S. EPA shall select the remedy during the pendency of the judicial dispute or in the event of a judicial decision limiting IDHW's authority to do so.

31.4 Neither U.S. EPA nor IDHW shall be held out as a Party to any contract entered into by U.S. DOE to implement the requirements of this Agreement.

tion of the Agreement or whether the work stoppage should be continued until the danger is abated. U.S. DOE shall notify the Project Managers as soon as possible, but not later than twenty-four (24) hours after such stoppage of work, and provide the Lead Agency with documentation of its analysis in reaching this determination. If the Lead Agency disagrees with U.S. DOE's determination, it may require U.S. DOE to resume implementation of this Agreement.

29.3 If the Lead Agency concurs in the work stoppage by U.S. DOE, or if U.S. EPA or IDHW require or order a work stoppage, U.S. DOE's obligations shall be suspended and the time periods for performance of that work, as well as the time period for any other work dependent upon the work which was stopped, shall be extended, pursuant to Part XIII, or such period of time as U.S. EPA and IDHW determines is reasonable under the circumstances. Any disagreements pursuant to this Part shall be resolved through the dispute resolution procedures in Part IX by referral directly to the DRC committee.

29.4 U.S. DOE shall prepare and provide U.S. EPA and IDHW Project Managers a copy of the documentation required in Paragraph 29.2 immediately, but no later than ten (10) working days after stoppage of work.

### XXX. AMENDMENT OF AGREEMENT

30.1 Except as provided in Paragraph 30.2, this Agreement may only be amended by unanimous agreement of the Parties or upon completion of Dispute Resolution, as applicable.

30.2 Amendments pursuant to Parts VIII(D), (E), and (G), XIII, XV, XVI, and XIX may be made by the unanimous agreement of the Project Managers.

30.3 Any such amendment shall be in writing, shall become effective on the date it is signed by all the Parties, and shall be incorporated into, and modify, this Agreement.



1 Agreement], to fulfill U.S. DOE's obligations under this Agreement, U.S. DOE shall obligate the funds in  
2 amounts sufficient to support the requirements specified in the Agreement unless otherwise directed by  
3 Congress or the President, or unless those requirements are modified in accordance with provisions of this  
4 Agreement.

5 28.7 The participation by U.S. EPA and IDHW under this Part is limited solely to  
6 the aforementioned and is in no way to be construed to allow U.S. EPA and IDHW to become involved  
7 with the internal U.S. DOE budget process, nor to become involved in the Federal budget process as it  
8 proceeds from U.S. DOE to the Office of Management and Budget and ultimately to Congress through the  
9 President's submittal. Nothing herein shall affect U.S. DOE's authority over its budgets and funding level  
10 submissions.

11  
12 XXIX. CREATION OF DANGER/EMERGENCY ACTION

13 29.1 In the event U.S. EPA or IDHW determine that activities conducted pursuant  
14 to this Agreement, or any other circumstances or activities, are creating an imminent and substantial  
15 endangerment to the health or welfare of the people at INEL, or in the surrounding area, or to the environ-  
16 ment, either U.S. EPA or IDHW may require or order U.S. DOE to stop further implementation of this  
17 Agreement for twenty-four (24) hours or, upon agreement of the Parties, such period of time as needed to  
18 abate the danger. Any unilateral work stoppage for longer than twenty-four (24) hours requires the  
19 concurrence of the appropriate Lead Agency DRC representative.

20 29.2 In the event U.S. DOE determines that activities undertaken in furtherance of  
21 this Agreement or any other circumstances or activities at INEL are creating an imminent and substantial  
22 endangerment to the health or welfare of people at INEL, or in the surrounding areas, or to the environ-  
23 ment, U.S. DOE may stop implementation of this Agreement for such periods of time necessary for the  
24 Lead Agency to evaluate the situation and determine whether U.S. DOE should proceed with implementa-  
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1                   28.3       In accordance with Section 120 (e) (5) (B) of CERCLA, 42 U.S.C. §  
2   9620(a)(5)(B), U.S. DOE shall include in its annual report to Congress the specific cost estimates and  
3   budgetary proposals associated with the implementation of this Agreement.

4                   28.4       No provision herein shall be interpreted to require obligation or payment of  
5   funds in violation of the Anti-Deficiency Act, 31 U.S.C. § 1341. In cases where payment or obligation of  
6   funds would constitute a violation of the Anti-Deficiency Act, the dates established requiring the payment  
7   or obligation of such funds shall be appropriately adjusted. U.S. EPA and U.S. DOE agree that any re-  
8   quirement for the payment or obligation of funds by U.S. DOE established by the terms of this Agreement  
9   shall be subject to the availability of appropriated funds.

10                  28.5       After appropriations have been received from Congress, U.S. DOE, U.S.  
11   EPA, and IDHW Project Managers will review the level of available appropriated funds and the most  
12   recent estimated cost of conducting activities required under the Agreement. If funding is requested as  
13   described in this Part, and if appropriated funds are not available to fulfill U.S. DOE's obligations under  
14   this Agreement, the Parties shall attempt to agree upon appropriate adjustments to the dates that require  
15   the payment or obligation of such funds. Subject to the terms of this Agreement, if no agreement on ap-  
16   propriate adjustments can be reached, U.S. EPA and IDHW reserve the right to initiate any other action  
17   which would be appropriate absent this Agreement. Initiation of any such actions shall not release the  
18   Parties from their other obligations under this Agreement. Acceptance of this paragraph, however, does  
19   not constitute a waiver by U.S. DOE that its obligations under this Agreement are subject to the provi-  
20   sions of the Anti-Deficiency Act, 31 U.S.C. § 1341. In any action by U.S. EPA or IDHW to enforce any  
21   provision of this Agreement, U.S. DOE may raise as a defense that its failure or delay was caused by the  
22   unavailability of appropriated funds.

23                  28.6       If appropriated funds are available to U.S. DOE's Office of Environmental  
24   Restoration [or other relevant U.S. DOE office to the extent they are responsible for implementing this  
25

1 current year projects, and events causing or expected to cause significant changes to any activity neces-  
2 sary to meet target dates, deadlines, and any other requirements under this Agreement. U.S. DOE shall  
3 provide information for these meetings that shows, to the extent possible, projected and actual costs of  
4 accomplishing such activities.

5 (b) U.S. EPA and IDHW may comment annually on U.S. DOE-ID cost estimates  
6 for the corresponding activities established under this Agreement for each budget year. U.S. DOE-ID will  
7 consider any comments received and include those comments along with these cost estimates in submit-  
8 tals sent from U.S. DOE-ID to U.S. DOE-HQ for the relevant budget year.

9 (c) In or about June of each year, U.S. DOE shall provide U.S. EPA and IDHW  
10 with current five-year planning cost estimates based upon revision to U.S. DOE's Five-Year Plan. These  
11 estimates will be based on the Activity Data Sheets ("ADS") level. This submission shall include a corre-  
12 lation of relevant ADS with activities required under the Agreement.

13 (d) U.S. DOE will provide to U.S. EPA and IDHW a copy of the President's  
14 Budget Request to Congress and sections of the U.S. DOE Congressional Budget Request pertaining to  
15 the Environmental Restoration and Waste Management Program. After the President has submitted the  
16 budget to Congress, U.S. DOE shall notify U.S. EPA and IDHW in a timely manner of any differences  
17 between the estimates submitted in accordance with Paragraph 28.2 (b) above and the actual dollars that  
18 were included in the President's budget submission to Congress.

19 (e) Whenever U.S. DOE proposes a reprogramming, requests a supplemental  
20 appropriation, or intends to transfer funds in a manner that is likely to or will affect the ability of U.S.  
21 DOE to conduct activities required under this Agreement, U.S. DOE shall notify U.S. EPA and IDHW of  
22 its plans and, prior to such a transfer of funds or the submittal of the reprogramming or supplemental ap-  
23 propriation request to Congress, shall consult with them about the effect that such an action is likely to or  
24 will have on the activities required under the Agreement.

1 (f) delays caused by compliance with applicable statutes or regulations governing con-  
2 tracting, procurement, or acquisition procedures, despite the exercise of reasonable diligence; and

3 (g) insufficient availability of appropriated funds, if U.S. DOE shall have made timely  
4 request for such funds as part of the budgetary process as set forth in Part XXVIII of this Agreement.

5 27.2 A Force Majeure shall also include any strike or other labor dispute, whether  
6 or not within the control of the Parties affected thereby. A Force Majeure shall not include increased costs  
7 or expenses of response actions, whether or not anticipated at the time such response actions were  
8 initiated.

9 27.3 U.S. DOE and IDHW agree that Paragraph 27.1 (g) does not create any  
10 presumption that such event arises from causes beyond the control of a Party. IDHW specifically reserves  
11 the right to withhold its concurrence to any extension which is based on such event pursuant to the terms  
12 of Part XIII, or to contend that such event does not constitute Force Majeure in any action to enforce this  
13 Agreement.

#### 14 XXVIII. FUNDING

15 28.1 It is the expectation of the Parties that all obligations of U.S. DOE arising  
16 under this Agreement will be fully funded through Congressional appropriations. Consistent with Con-  
17 gressional limitations on future funding, U.S. DOE shall take all necessary steps and use its best efforts to  
18 obtain timely funding to meet its obligations under this Agreement, including, but not limited to, the sub-  
19 mission of timely budget requests.  
20

21 28.2 The purpose of this Paragraph is to assure that the Parties adequately commu-  
22 nicate and exchange information about funding concerns that affect the implementation of the Agreement.

23 (a) U.S. EPA, U.S. DOE, and IDHW Project Managers shall meet periodically  
24 throughout each Fiscal Year ("FY") to discuss projects being funded in the current FY, the status of the  
25

expressly authorized by U.S. DOE, such materials shall be exempt from public disclosure by IDHW pursuant to I.C. § 9-340 (1). Transmittal of information or data determined by U.S. DOE to be exempt from disclosure shall not be deemed a waiver by U.S. DOE of any rights, benefit, or privilege associated with the information.

26.2 Any Party may assert on its own behalf or on behalf of an authorized representative, a confidentiality claim or privilege covering all or any part of the information requested by this Agreement, pursuant to Section 104 of CERCLA, 42 U.S.C. § 9604, and State law. Analytical data shall not be claimed as confidential. Parties are not required to provide legally privileged information. At the time any information is furnished which is claimed to be confidential, all Parties shall afford it the maximum protection allowed by law. If no claim of confidentiality accompanies the information, it may be made available to the public without further notice.

## XXVII. FORCE MAJEURE

27.1 A Force Majeure shall mean any event arising from causes beyond the control of a Party that causes a delay in, or prevents the performance of, any obligation under this Agreement, including, but not limited to:

- (a) acts of God, fire, war, insurrection, civil disturbance, or explosion;
- (b) unanticipated breakage or accident to machinery, equipment, or lines of pipe despite reasonably diligent maintenance;
- (c) adverse weather conditions that could not be reasonably anticipated, or unusual delay in transportation;
- (d) restraint by court order or order of public authority;
- (e) inability to obtain, consistent with statutory requirements and after exercise of reasonable diligence, any necessary authorizations, approvals, permits, or licenses due to action or inaction of any governmental agency or authority other than U.S. DOE;

1                   25.3       Upon completion of all remedial action for the INEL Site, U.S. DOE may  
2 request, in writing, a determination from U.S. EPA that it is appropriate to delete INEL from the NPL.  
3 Upon receipt of this submission from U.S. DOE, U.S. EPA, after consultation with IDHW, shall apply the  
4 factors outlined in 40 CFR § 300.425 and determine whether all appropriate response action has been  
5 implemented at the Site, and whether any potential threat to public health or the environment remains.

6                   25.4       If U.S. EPA determines, after consultation with IDHW, that no further  
7 response is appropriate and that the Site should be deleted from the NPL, U.S. EPA will initiate steps to  
8 delete the Site from the NPL, consistent with CERCLA, as amended, and the NCP.

9                   25.5       If U.S. EPA determines, after consultation with IDHW, that deletion from the  
10 NPL is not warranted, U.S. EPA shall so notify U.S. DOE, in writing, and provide specific reasons for the  
11 determination. U.S. DOE shall take appropriate steps to correct any deficiencies noted and may subse-  
12 quently resubmit for U.S. EPA's reconsideration U.S. DOE's request for deletion in accordance with the  
13 provisions of this Part.

14  
15                   XXVI. CLASSIFIED AND CONFIDENTIAL INFORMATION

16                   26.1       Notwithstanding any provision of this Agreement, all requirements of the  
17 Atomic Energy Act of 1954, as amended, and all Executive Orders concerning the handling of unclassi-  
18 fied controlled nuclear information, naval nuclear propulsion information, restricted data, and national  
19 security information, including "need to know" requirements, shall be applicable to any access to infor-  
20 mation or facilities, or public dissemination of information, covered under the provisions of this Agree-  
21 ment. In addition, those data, documents, records, or files which could otherwise be withheld pursuant to  
22 the Freedom of Information Act ("FOIA"), 5 U.S.C. § 552, or the Privacy Act of 1972, 5 U.S.C. § 552 (a),  
23 unless expressly authorized for release by the originating Party, shall be handled in accordance with those  
24 provisions of law and any implementing regulation. Upon submission to IDHW, U.S. DOE shall identify  
25 any materials determined by U.S. DOE to be exempt from public disclosure pursuant to FOIA, and, unless

1 XXIV. PUBLIC PARTICIPATION

2 24.1 The Parties agree that this Agreement and any subsequent proposed response  
3 action alternative(s) at INEL arising out of this Agreement shall comply with the administrative record  
4 and public participation requirements of CERCLA, including Sections 113 (k) and 117 of CERCLA;  
5 42 U.S.C. §§ 9613 (k) and 9617, U.S. EPA guidance on public participation and administrative records,  
6 and, where appropriate, public participation requirements of HWMA.

7 24.2 U.S. DOE has developed a draft comprehensive Community Relations Plan  
8 ("CRP") which responds to the need for an interactive relationship with all interested community  
9 elements, both on and off INEL, regarding activities and elements of work undertaken by U.S. DOE at  
10 INEL under this Agreement. The final CRP shall be implemented in a manner consistent with Section  
11 117 of CERCLA, 42 U.S.C. § 9617, U.S. EPA guidelines set forth in U.S. EPA's Community Relations  
12 Handbook, and any modifications thereto, and, where appropriate, public participation requirements of  
13 HWMA.

14 24.3 Where appropriate, U.S. DOE intends to coordinate any applicable NEPA  
15 review with the public participation requirements of this Agreement.  
16

17 XXV. DURATION/TERMINATION

18 25.1 Upon satisfactory completion of the response action phase as described in the  
19 Action Plan for a given OU or WAG, U.S. DOE may request and the Lead Agency shall issue a Notice of  
20 Completion to U.S. DOE for that OU or WAG. At the discretion of the Lead Agency, a Notice of  
21 Completion may be issued for completion of a portion of the response action for an OU or WAG.

22 25.2 This Agreement shall terminate when U.S. DOE has satisfactorily completed  
23 all work pursuant to this Agreement and the Action Plan, or when the Parties unanimously agree to  
24 termination.  
25

1 scheduled to commence. U.S. DOE shall provide U.S. EPA and IDHW with copies of such agreements.  
2 With respect to non-U.S. DOE property upon which monitoring wells, pumping wells, treatment facili-  
3 ties, or other response actions are to be located, U.S. DOE shall use its best efforts to obtain access agree-  
4 ments that provide that no conveyance of title, easement, or other interest in the property shall be  
5 consummated without provisions for the continued operation of such wells, treatment facilities, or other  
6 response actions on the property; and provide that the owners of any property where monitoring wells,  
7 pumping wells, treatment facilities, or other response actions are located shall notify U.S. DOE, IDHW,  
8 and U.S. EPA by certified mail, at least thirty (30) days prior to any conveyance, of the property owner's  
9 intent to convey any interest in the property and of the provisions made for the continued operation of the  
10 monitoring wells, treatment facilities, or other response actions installed pursuant to this Agreement.

## 11 12 XXII. FIVE-YEAR REVIEW

13 22.1 Consistent with Section 121(c) of CERCLA, 42 U.S.C. § 9621 (c), and in  
14 accordance with this Agreement, U.S. DOE agrees that U.S. EPA may review response action(s) for OUs  
15 that allow hazardous substances to remain on-site, no less often than every five (5) years after the initia-  
16 tion of the final response action for such OU to assure that human health and the environment are being  
17 protected by the response action being implemented. If upon such review it is the judgment of U.S. EPA,  
18 after consultation with IDHW, that additional action or modification of the response action is appropriate  
19 in accordance with Sections 104, 106, and 120 of CERCLA, 42 U.S.C. §§ 9604, 9606, and 9620, U.S.  
20 EPA and IDHW may require U.S. DOE to implement such Additional Work pursuant to Part XV.

## 21 22 XXIII. TRANSFER OF PROPERTY

23 23.1 Conveyance of title, easement, or other interest in the real property subject to  
24 this Agreement shall be in accordance with Section 120 (h) of CERCLA, 42 U.S.C. § 9620 (h), and any  
25 applicable requirements of RCRA or HWMA.



1 destruction or disposal of any such records. Upon request, U.S. DOE shall make such records or true  
2 copies available, to the other Parties.

3 20.3 U.S. DOE agrees it shall establish and maintain an Administrative Record  
4 and Index at the INEL Technical Library in Idaho Falls, Idaho, in accordance with Section 113(k) of  
5 CERCLA, 42 U.S.C. § 9613(k), and current and future U.S. EPA policy and guidance on administrative  
6 records for selection of CERCLA response actions. U.S. DOE will provide a periodically updated Index  
7 and a copy of each document placed in the administrative record to U.S. EPA and IDHW.

## 8 9 XXI. ACCESS

10 21.1 Consistent with applicable security requirements and necessary safety pre-  
11 cautions, but without limitation on any authority conferred on either agency by law, U.S. EPA, IDHW, or  
12 their authorized representatives, shall have authority to enter INEL at all reasonable time(s) with or with-  
13 out prior notification for the purposes of carrying out the terms of this Agreement.

14 21.2 U.S. DOE will identify an individual as a point of contact for access to each  
15 facility at INEL. With respect to matters concerning access at the Naval Reactors Facility ("NRF"), the  
16 Manager, Naval Reactors, Idaho Branch Office of U.S. DOE, will be the point of contact. With respect to  
17 matters concerning access at the Argonne National Laboratory-West ("ANL-W"), the Director, Argonne  
18 Area Office-West, will be the point of contact.

19 21.3 The stated reasons for any denial of access shall be immediately provided in  
20 writing, handwritten or otherwise.

21 21.4 To the extent that this Agreement requires access to property not owned and  
22 controlled by U.S. DOE, U.S. DOE shall exercise its authorities to obtain written access agreements pur-  
23 suant to Section 104(e) of CERCLA, 42 U.S.C. § 9604(e). U.S. DOE shall use its best efforts to obtain  
24 signed access agreements for itself, its authorized representatives, and U.S. EPA and IDHW and their au-  
25 thorized representatives, from the present owners or lessees in advance of the date such activities are

1 however, that U.S. EPA shall, upon U.S. DOE's request, promptly transfer responsibility for responding to  
2 a request for such data to U.S. DOE as provided in 40 C.F.R. 2.111 (d)(2).

3 19.4 At the request of either the IDHW or U.S. EPA Project Manager, U.S. DOE  
4 shall allow split or duplicate samples to be taken by IDHW or U.S. EPA during sample collection  
5 conducted during the implementation of this Agreement. U.S. DOE shall have the opportunity to take  
6 split samples when U.S. EPA or IDHW undertakes such activity pursuant to this Agreement. The Project  
7 Managers shall notify the other respective Project Managers not less than fourteen (14) business days in  
8 advance of any well drilling, sample collection, or other monitoring activity conducted pursuant to this  
9 Agreement. The fourteen (14) day notification can be waived upon mutual agreement among the Project  
10 Managers for U.S. DOE, U.S. EPA, and IDHW.

11 19.5 If preliminary analysis indicates a potential imminent and substantial endan-  
12 germent to the public health, all Project Managers shall be immediately notified.

13  
14 **XX. RETENTION OF RECORDS AND ADMINISTRATIVE RECORD**

15 20.1 U.S. DOE will establish and maintain databases for compilation of site-wide  
16 validated and quality assured technical decision-level data that will be considered or relied upon in selec-  
17 tion of response actions. The data will be maintained at a U.S. DOE-designated storage location(s) and  
18 summarized in the administrative record file, located at the INEL Technical Library in Idaho Falls, Idaho.  
19 U.S. DOE will provide U.S. EPA and IDHW with access to the data pursuant to Part XIX of the Agree-  
20 ment. Hard copies of the electronically maintained data will be available to U.S. EPA, IDHW, and mem-  
21 bers of the public upon request.

22 20.2 U.S. DOE shall preserve for a minimum of ten (10) years after termination of  
23 this Agreement all of the records in its possession, or in the possession of its contractors, related to  
24 sampling, analysis, investigations, and monitoring conducted in accordance with this Agreement. After  
25 this ten (10) year period, U.S. DOE shall notify U.S. EPA and IDHW at least forty-five (45) days prior to

1 18.3 U.S. DOE shall submit six (6) copies of all documents and notices to U.S.  
2 EPA and IDHW. Where practicable, all submittals shall be two-sided copies on recycled paper.  
3

4 XIX. SAMPLING AND DATA/DOCUMENT AVAILABILITY

5 19.1 The Parties intend to make available to each other quality assured results of  
6 sampling, tests, or other data generated by any Party, or on their behalf, with respect to the implemen-  
7 tation of this Agreement within seventy-five (75) days of collection. Quality assured data or results shall  
8 be submitted as they become available but no later than one hundred and twenty (120) days after  
9 collection.

10 19.2 Non-quality assured data results received by U.S. DOE will, upon request, be  
11 made available to U.S. EPA or IDHW at INEL. Neither U.S. EPA nor IDHW will duplicate or remove  
12 these records, information, or data, unless U.S. EPA or IDHW provide written assurance that U.S. EPA or  
13 IDHW will treat the non-quality assured data as confidential and not disclose the data pending completion  
14 of quality assurance or expiration of the one hundred and twenty (120) day period provided for complet-  
15 ing quality assurance.

16 19.3 To the extent that non-quality assured data are made available to, or re-  
17 viewed by, U.S. EPA or IDHW prior to the one hundred and twenty (120) day period established in  
18 Paragraph 19.1, such data so disclosed:

19 (a) shall not form the basis for agency action; provided, however, that U.S. EPA  
20 or IDHW may request that U.S. DOE accelerate completion of quality assurance procedures regarding  
21 specific data; and

22 (b) shall be held in confidence and shall not be further disclosed except with the  
23 consent of U.S. DOE or as may be mandatory under applicable law. Prior to any mandatory further dis-  
24 closure under this paragraph, U.S. EPA and IDHW shall consult and coordinate with U.S. DOE; provided,  
25

meeting time schedules, include the reason(s) for the delay, actions taken to prevent or mitigate the delay, and identify any potential problems that may result in a departure from the requirements and time schedules.

#### XVIII. NOTICE TO THE PARTIES

18.1 All Parties shall transmit primary and secondary documents, comments, and all notices required herein by U.S. Mail, next day mail (i.e., express mail), hand delivery, or facsimile followed by mailing of originals. Time limitations shall commence upon receipt.

18.2 Notice to the individual Parties shall be provided under this Agreement to the Parties, unless otherwise provided, at the following addresses:

(a) For U.S. DOE:

INEL IAG Project Manager  
U.S. Department of Energy  
Idaho Field Office  
785 DOE Place  
Idaho Falls, Idaho 83401-1562  
(208) 526-1148

(b) For U.S. EPA:

INEL IAG Project Manager  
Region 10  
U.S. Environmental Protection Agency  
1200 Sixth Avenue, HW-112  
Seattle, Washington 98101  
(206) 553-7261

(c) For the State of Idaho:

INEL IAG Project Manager  
Division of Environmental Quality  
1410 North Hilton Street  
Boise, Idaho 83706  
(208) 334-5879

1     gist, or other expert, with experience and expertise in hazardous waste management, and hazardous waste  
2     site investigation, cleanup, and monitoring.

3             16.2       Throughout all sample collection, transportation, and analyses activities  
4     conducted in connection with this Agreement, U.S. DOE shall use procedures for quality assurance, and  
5     for quality control, and for chain-of-custody in accordance with approved U.S. EPA methods, including  
6     "Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans," QAMS-005/80,  
7     "Data Quality Objective Guidance," U.S. EPA 1540/687/003 and 004, and subsequent amendments to  
8     such guidelines. All Parties shall require each laboratory it uses to perform analyses according to  
9     approved U.S. EPA methods. Each laboratory shall be required to participate in a quality assurance/  
10    quality control program equivalent to that which is followed by U.S. EPA and which is consistent with  
11    U.S. EPA document QAMS-005/80. As part of each RI/FS Work Plan, U.S. DOE shall submit a Quality  
12    Assurance Project Plan ("QAPP") to U.S. EPA and IDHW for approval prior to use and in accordance  
13    with the Action Plan. In general, U.S. EPA and IDHW shall follow the QAPP requirements specified in  
14    this Paragraph.

## 15 16                             XVII. REPORTING

17             17.1       U.S. DOE shall submit to IDHW and U.S. EPA monthly written progress re-  
18    ports which describe the actions which U.S. DOE has taken during the previous month to implement the  
19    requirements of this Agreement. Progress reports, similar in content to the May 1990 COCA Report, shall  
20    also describe the activities scheduled to be taken during the upcoming three (3) months. Progress reports  
21    shall be submitted by the twenty-fifth (25th) day of each month following the effective date of this Agree-  
22    ment. The progress reports shall also include a detailed statement of how the requirements and time  
23    schedules set out in the attachments to this Agreement are being met, identify any anticipated delays in

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## XV. ADDITIONAL WORK

15.1 In the event that additional work, or modification to work, including remedial investigatory work, engineering evaluation, and changes to operable units is necessary to accomplish the objectives of this Agreement, notification and description of such additional work or modification to work shall be provided to U.S. DOE. U.S. DOE will evaluate the request and notify the requesting Party within thirty (30) days of receipt of such request of its intent and ability to perform such work, including the impact such additional work will have on budgets and schedules. If U.S. DOE does not agree that such additional work is required by this Agreement or if U.S. DOE asserts such additional work is otherwise inappropriate, the matter shall be resolved in accordance with the dispute resolution procedures of this Agreement, as appropriate. Field modifications, as set forth in the Action Plan, are not subject to this Part.

15.2 Any additional work or modification to work determined to be necessary by U.S. DOE shall be proposed by U.S. DOE and will be subject to review in accordance with the appropriate dispute resolution procedures of this Agreement, as appropriate, prior to initiation.

15.3 If, during implementation of any additional work or modification to work, U.S. DOE determines that the work will adversely affect work schedules or will require significant revisions to an approved schedule, the U.S. EPA and IDHW Project Managers shall be immediately notified of the situation followed by a brief written explanation within seven (7) days of the initial notification. Requests for extension of deadlines or schedule(s) shall be evaluated in accordance with Part XIII.

15.4 Any additional work accomplished pursuant to this Part shall be reflected in a written amendment to this Agreement as provided for in Part XXX.

## XVI. QUALITY ASSURANCE

16.1 All response work performed pursuant to this Agreement shall be done under the direction and supervision of, or in consultation with, as necessary, a qualified engineer, hydrogeolo-

1 (b) On an annual basis, and in accordance with 10 C.F.R. Parts 600 and 1024: (1)  
2 IDHW shall submit, in a timely fashion and in writing, to U.S. DOE a grant application including a pro-  
3 posed Scope of Work and estimates of costs to be incurred relating to CERCLA response actions, as de-  
4 fined herein, to be performed under this Agreement by IDHW for the upcoming year, and (2) subsequent  
5 to negotiation between U.S. DOE and IDHW, U.S. DOE shall make a grant award;

6 (c) In the event that U.S. DOE contends that any costs incurred were not directly  
7 related to the implementation of this Agreement, or were incurred in a manner inconsistent with  
8 CERCLA, the NCP, or the grant award, U.S. DOE may challenge the costs allowable under the grant to  
9 IDHW. If unresolved, IDHW's demand, and U.S. DOE's challenge, may be resolved through the appeals  
10 procedures set forth in 10 C.F.R. Part 600 and 10 C.F.R. Part 1024;

11 (d) Subject to Paragraph 14.3, U.S. DOE shall not be responsible under the terms  
12 of this Agreement for reimbursing IDHW for any costs actually incurred in excess of the maximum U.S.  
13 DOE obligation as defined in the grant award; and

14 (e) IDHW's performance of its obligations under this Agreement shall be  
15 excused if its justifiable response costs as defined herein are not paid as required by this Part.

16 14.3 IDHW reserves any rights it may have to recover costs for matters not  
17 covered by this Agreement, or costs not reimbursed by U.S. DOE pursuant to Paragraph 14.2 after  
18 exhaustion of the appeals procedures described in Paragraph 14.2 (c). In any judicial proceeding in which  
19 IDHW seeks to recover such costs, nothing in this Agreement shall create an independent right to recover  
20 costs, nor create a presumption, nor constitute an admission or agreement by U.S. DOE, that U.S. DOE is  
21 liable for costs which are incurred by the State of Idaho or that such costs constitute or do not constitute  
22 recoverable costs.

1                   13.6       Within seven (7) days of receipt of a statement of nonconcurrence with the  
2 requested extension, U.S. DOE may invoke dispute resolution under Part IX.

3                   13.7       A timely and good faith request for an extension shall toll any assessment of  
4 stipulated penalties or application for judicial enforcement of the affected timetable and deadline or  
5 schedule until a decision is reached on whether the requested extension shall be approved. If dispute reso-  
6 lution is invoked and the requested extension is denied, stipulated penalties may be assessed and may ac-  
7 crue from the date of the original timetable, deadline, or schedule. Following the grant of an extension, an  
8 assessment of stipulated penalties or an application for judicial enforcement may be sought only to com-  
9 pel compliance with the timetable and deadline or schedule as most recently extended.

#### 10 11                                   XIV. RECOVERY OF EXPENSES

##### 12   A. U.S. EPA Expense

13                   14.1       U.S. EPA shall take all necessary steps and make efforts to obtain timely  
14 funding to meet its obligations under this Agreement. Notwithstanding any other provision of this Agree-  
15 ment, in the event that U.S. EPA, in consultation with U.S. DOE and IDHW, determines that sufficient  
16 funds have not been appropriated to meet any post Fiscal Year 1992 commitments established by this  
17 Agreement, U.S. EPA may terminate this Agreement by written notice to U.S. DOE and IDHW.

##### 18   B. IDHW Expense

19                   14.2       U.S. DOE shall reimburse IDHW for costs of response action directly related  
20 to implementation of this Agreement, pursuant to Section 107 of CERCLA, 42 U.S.C. § 9607, and not  
21 inconsistent with the NCP, in accordance with the following provisions:

22                                   (a)       A separate grant shall be the specific mechanism for transfer of funds be-  
23 tween U.S. DOE and IDHW for payment of the costs referred to herein;



- 1                   13.2       Good cause exists for an extension when sought in regard to:
- 2                   (a)        An event of Force Majeure;
- 3                   (b)        A delay caused by another Party's failure to meet any requirement of this
- 4 Agreement;
- 5                   (c)        A delay caused by the good faith invocation of dispute resolution or the initi-
- 6 ation of judicial action;
- 7                   (d)        A delay caused, or which is likely to be caused, by the grant of an extension
- 8 in regard to another timetable and deadline or schedule; and
- 9                   (e)        Any other event or series of events mutually agreed to by the Parties as con-
- 10 stituting good cause, including delays that result from compliance with other federal laws.
- 11                   13.3       Absent agreement of the Parties with respect to the existence of good cause,
- 12 U.S. DOE may seek and obtain a determination through Part IX.
- 13                   13.4       Within seven (7) days of receipt of a request for an extension of a timetable
- 14 and deadline or a schedule, U.S. EPA and IDHW shall advise U.S. DOE in writing of their respective po-
- 15 sitions on the request. Any failure by U.S. EPA or IDHW to respond within the seven (7) day period shall
- 16 be deemed to constitute concurrence in the request for extension. If U.S. EPA or IDHW does not concur
- 17 in the requested extension, it shall include in its statement of nonconcurrence an explanation of the basis
- 18 for its position.
- 19                   13.5       If there is consensus among the Parties that the requested extension is war-
- 20 ranted, U.S. DOE shall extend the affected timetable and deadline or schedule accordingly. If there is no
- 21 consensus among the Parties as to whether all or part of the requested extension is warranted, the time-
- 22 table and deadline or schedule shall not be extended except in accordance with a determination resulting
- 23 from the dispute resolution process.
- 24
- 25

## XII. TARGET DATES AND DEADLINES

12.1 A summary of enforceable deadlines is set forth in Appendix A of the Action Plan as Table A.1.

12.2 Within twenty-one (21) days of issuance of the ROD for each OU requiring remedial action, U.S. DOE shall submit a RD/RA SOW, subject to dispute within thirty (30) days of submittal under Paragraph 9.2 (a) (2). The RD/RA SOW shall identify, and establish target dates for submittal of, remedial design secondary documents and deadlines for submittal of the drafts of the RD/RA Work Plan (primary documents identified in Paragraph 8.5 (e) and (f)). The RA Work Plan shall identify, and establish target dates for submittal of, RA secondary documents. The draft of the RA Report (a primary document identified in Paragraph 8.5 (g)) shall be submitted within sixty (60) days of the final inspection. The draft of the Operations and Maintenance Report (a primary document identified in Paragraph 8 (h)) shall be submitted within ninety (90) days of the completion of operations and maintenance activities.

12.3 The deadlines set forth in this Part may be extended pursuant to Part XIII. The Parties recognize that one possible basis for extension of the deadlines for completion of the RI/FS Reports is the identification of significant new Site conditions during the performance of the RI.

## XIII. EXTENSIONS

13.1 Either a timetable and deadline or a schedule shall be extended upon receipt of a timely request for extension and when good cause exists for the requested extension. Any request for extension by U.S. DOE shall be submitted to the Project Managers in writing and shall specify:

- (a) The timetable and deadline or the schedule that is sought to be extended;
- (b) The length of the extension sought;
- (c) The good cause(s) for the extension; and
- (d) Any related timetable and deadline or schedule that would be affected if the extension were granted.

1                   11.3       The annual reports required by Section 120 (e) (5) of CERCLA, 42 U.S.C. §  
2 9620 (e) (5), shall include, with respect to each final assessment of a stipulated penalty against U.S. DOE  
3 under this Agreement, each of the following:

- 4                   (a)     The facility responsible for the failure;
- 5                   (b)     A statement of the facts and circumstances giving rise to the failure;
- 6                   (c)     A statement of any administrative action taken at the relevant facility,  
7 or a statement of why such measures were determined to be inappropriate;
- 8                   (d)     A statement of any additional action taken by or at the facility to  
9 prevent recurrence of the same type of failure; and
- 10                  (e)     The total dollar amount of the stipulated penalty assessed for the  
11 particular failure.

12                  11.4       Stipulated penalties assessed pursuant to CERCLA and this Part shall be pay-  
13 able to the Federal Hazardous Substances Response Trust Fund from funds authorized and appropriated  
14 for that specific purpose.

15                  11.5       In no event shall this Part give rise to a CERCLA stipulated penalty in excess  
16 of the amount set forth in Section 109 of CERCLA, 42 U.S.C. § 9609.

17                  11.6       This Part shall not affect U.S. DOE's ability to obtain an extension of a time-  
18 table and deadline or schedule pursuant to Part XIII.

19                  11.7       Nothing in this Agreement shall be construed to render any officer or em-  
20 ployee of U.S. DOE personally liable for the payment of any stipulated penalty assessed pursuant to this  
21 Part.

22                  11.8       In the event that current and applicable law respecting fines and penalties  
23 changes, the Parties agree to meet and negotiate whether modifications to this Part are appropriate. The  
24 dispute process in Part IX shall not apply to this issue.

1                   10.2       This Agreement shall be referenced and incorporated, in pertinent part, in any  
2 HWMA hazardous waste permit for corrective action issued by IDHW to INEL. Permit requirements,  
3 including corrective action, may be enforced in accordance with Part XXXI.

4                   10.3       The Parties agree that all Parties shall have the right to enforce the terms of  
5 this Agreement, subject to Part XXXI.

6  
7                                   XI. STIPULATED PENALTIES

8                   11.1       In the event that U.S. DOE fails to submit a primary document pursuant to  
9 the appropriate deadline in accordance with the requirements of this Agreement, or fails to comply with a  
10 term or condition of this Agreement which relates to an interim or final response action at an EPA-lead  
11 OU, U.S. EPA may assess a stipulated penalty against U.S. DOE. If IDHW determines at a state-lead OU  
12 that U.S. DOE has failed in a manner as set forth above at an OU, it may identify and recommend stipu-  
13 lated penalties to U.S. EPA and, unless disputed pursuant to Part IX, such penalties may be assessed in  
14 accordance with this Part. A stipulated penalty may be assessed in an amount up to Five Thousand Dol-  
15 lars (\$5,000) for the first week (or part thereof), and up to Ten Thousand Dollars (\$10,000) for each addi-  
16 tional week (or part thereof) for which a failure set forth in this Paragraph occurs.

17                   11.2       Upon determining that U.S. DOE has failed in a manner set forth in  
18 Paragraph 11.1, U.S. EPA shall so notify U.S. DOE in writing. If the failure in question is not or has not  
19 already been subject to dispute resolution at the time such notice is received, U.S. DOE shall have fifteen  
20 (15) days after receipt of the notice to invoke dispute resolution on the question of whether the failure did,  
21 in fact, occur. U.S. DOE shall not be liable for the stipulated penalty assessed if the failure is determined,  
22 through the dispute resolution process, not to have occurred. No assessment of a stipulated penalty shall  
23 be final until the conclusion of dispute resolution procedures related to the assessment of the stipulated  
24 penalty.

1 (k) All Parties shall abide by all terms and conditions of any final resolution of  
2 dispute obtained pursuant to this Part of this Agreement, except as provided in Part XXXI.  
3

4 X. ENFORCEABILITY

5 10.1 The Parties agree that:

6 (a) Upon the effective date of this Agreement, any standard, regulation, condi-  
7 tion, requirement, or order which has become effective under CERCLA and is incorporated into this  
8 Agreement is enforceable by any person pursuant to Section 310 of CERCLA, 42 U.S.C. § 9659, and any  
9 violation of such standard, regulation, condition, requirement, or order shall be subject to civil penalties  
10 under Sections 310(c) and 109 of CERCLA, 42 U.S.C. §§ 9659 and 9609;

11 (b) All timetables or deadlines associated with the development, implementation,  
12 and completion of the RI/FS shall be enforceable by any person pursuant to Section 310 of CERCLA,  
13 42 U.S.C. § 9659, and any violation of such timetables or deadlines will be subject to civil penalties under  
14 Sections 310 (c) and 109 of CERCLA, 42 U.S.C. §§ 9659 (c) and 9609;

15 (c) All terms and conditions of this Agreement which relate to interim or final  
16 response actions, including corresponding timetables, deadlines, or schedules, and all work associated  
17 with the interim or final response actions, shall be enforceable by any person pursuant to Section 310 of  
18 CERCLA, 42 U.S.C. § 9659, and any violation of such terms or conditions will be subject to civil  
19 penalties under Sections 310 (c) and 109 of CERCLA, 42 U.S.C. §§ 9659 (c) and 9609; and

20 (d) Any final resolution of a dispute pursuant to Part IX of this Agreement which  
21 establishes a term, condition, timetable, deadline, or schedule shall be enforceable by any person pursuant  
22 to Section 310 of CERCLA, 42 U.S.C. § 9659, and any violation of such term, condition, timetable,  
23 deadline, or schedule will be subject to civil penalties under Sections 310 (c) and 109 of CERCLA,  
24 42 U.S.C. §§ 9659 (c) and 9609.  
25

1 (h) The pendency of any dispute under this Part shall not affect U.S. DOE's  
2 responsibility for timely performance of the work required by this Agreement, except that the time period  
3 for completion of work affected by such dispute shall be extended for a period of time usually not to  
4 exceed the actual time taken to resolve any good faith dispute in accordance with the procedures specified  
5 herein or as mutually agreed. All elements of the work required by this Agreement which are not affected  
6 by the dispute shall continue and be completed in accordance with the applicable schedule.

7 (i) When dispute resolution is in progress, work affected by the dispute shall  
8 immediately be discontinued if the appropriate Lead Agency DRC representative requests, in writing, that  
9 work related to the dispute be stopped because, in its opinion, such work is inadequate or defective, and  
10 such inadequacy or defect is likely to yield an adverse effect on human health or welfare or the environ-  
11 ment, or is likely to have a substantial adverse effect on the remedy selection or implementation process.  
12 To the extent possible, the Party seeking a work stoppage shall consult with the other Parties prior to initi-  
13 ating a work stoppage request. After stoppage of work, if a Party believes that the work stoppage is inap-  
14 propriate or may have potential significant adverse impacts, the Party may meet with the Party ordering a  
15 work stoppage to discuss the work stoppage. Following this meeting, and further consideration of the  
16 issues, the appropriate Lead Agency DRC representative will issue, in writing, a final decision with  
17 respect to the work stoppage. This final written decision may immediately be subjected to formal dispute  
18 resolution. Such dispute may be brought directly to either the DRC or the SEC, at the discretion of the  
19 Party requesting dispute resolution.

20 (j) Within thirty-five (35) days of resolution of a dispute pursuant to the proce-  
21 dures specified in this Part, U.S. DOE shall incorporate the resolution and final determination into the  
22 appropriate plan, schedule, or procedures and proceed to implement this Agreement according to the  
23 amended plan, schedule, or procedures.

1                   (f)           The SEC will serve as the forum for resolution of disputes for which agree-  
2                   ment has not been reached by the DRC. The U.S. EPA representative on the SEC is the Regional Admin-  
3                   istrator of U.S. EPA's Region 10 ("U.S. EPA RA"). The IDHW representative on the SEC is the  
4                   Administrator of the Division of Environmental Quality ("DEQ Administrator"). U.S. DOE's representa-  
5                   tive on the SEC is the Manager of the U.S. DOE Idaho Field Office. The SEC members shall, as appro-  
6                   priate, confer, meet, and exert their best efforts to resolve the dispute and issue a written decision signed  
7                   by all Parties. If unanimous resolution of the dispute is not reached within twenty-one (21) days, the  
8                   U.S. EPA RA shall issue a written position for disputes arising at U.S. EPA-lead WAGs, and the DEQ  
9                   Administrator shall issue a written position for disputes arising at IDHW-lead WAGs. Any Party may,  
10                  within twenty-one (21) days of the issuance of U.S. EPA's or IDHW's position, issue a written notice ele-  
11                  vating the dispute to the Administrator of U.S. EPA for U.S. EPA-lead WAGs or the Governor of the  
12                  State of Idaho for IDHW-lead WAGs for resolution in accordance with all applicable laws and proce-  
13                  dures. In the event that a Party elects not to elevate the dispute to the Administrator or Governor within  
14                  the designated twenty-one (21) day escalation period, the Party shall be deemed to have agreed with U.S.  
15                  EPA RA's or DEQ Administrator's written position with respect to the dispute.

16                  (g)           Upon escalation of a dispute to the Administrator of U.S. EPA or Governor of  
17                  Idaho pursuant to Paragraph 9.2(f), the Administrator or Governor, as appropriate, shall issue a final  
18                  written decision to the Parties within twenty-one (21) days. Upon request, and prior to issuance of the  
19                  final written decision, the U.S. EPA Administrator and the Governor of Idaho shall jointly meet and  
20                  confer with the Secretary of U.S. DOE to discuss the issue(s) in dispute. If there is disagreement between  
21                  the Administrator and the Governor regarding a final written decision, within twenty-one (21) days of its  
22                  issuance, the Administrator or the Governor, as appropriate, shall issue a written statement of position.  
23                  The duties of the Administrator and the Governor of Idaho as set forth in this Part shall not be delegated.

1 (b) Prior to any Party's issuance of a written statement of dispute, the disputing  
2 Party shall engage the other Parties in informal dispute resolution among the Project Managers and/or  
3 their immediate supervisors. During this informal dispute resolution period the Parties shall meet as many  
4 times as are necessary to discuss and attempt resolution of the dispute.

5 (c) If agreement cannot be reached on any issue within the informal dispute reso-  
6 lution period, the disputing Party shall forward a written statement of dispute to the Dispute Resolution  
7 Committee ("DRC") thereby elevating the dispute to the DRC for resolution.

8 (d) The Dispute Resolution Committee ("DRC") will serve as a forum for resolu-  
9 tion of disputes for which agreement has not been reached through informal dispute resolution. The Par-  
10 ties shall each designate one individual and an alternate to serve on the DRC. U.S. DOE may designate a  
11 different individual and an alternate with respect to matters at the Naval Reactors Facility ("WAG 8") and  
12 the Argonne National Laboratory - West ("WAG 9"). The individuals designated to serve on the DRC  
13 shall be employed at a policy level equivalent to Senior Executive Service ("SES") or be delegated the  
14 authority to participate on the DRC for the purposes of dispute resolution under this Agreement. The U.S.  
15 EPA's representative on the DRC is the Hazardous Waste Division Director of U.S. EPA's Region 10  
16 ("U.S. EPA Division Director"). The IDHW representative on the DRC is the Chief of the Hazardous  
17 Materials Bureau ("Bureau Chief"). U.S. DOE's representative on the DRC is the Assistant Manager for  
18 Environmental Restoration and Waste Management. Written notice of any delegation of authority from a  
19 Party's designated representative on the DRC shall be provided to all other Parties pursuant to the proce-  
20 dures of Part XVIII.

21 (e) Following elevation of a dispute to the DRC, the DRC shall have twenty-one  
22 (21) days to unanimously resolve the dispute and issue a written decision signed by all Parties. If the  
23 DRC is unable to unanimously resolve the dispute within this twenty-one (21) day period the written  
24 statement of dispute shall be forwarded to the Senior Executive Committee ("SEC") for resolution.



1                   8.23       In the event that agreement of the Project Managers is reached, the modifica-  
2 tion shall be incorporated by reference and become fully enforceable under the Agreement pursuant to  
3 Part XXX. In the event that consensus is not reached by the Project Managers on a modification, any  
4 Party may invoke dispute resolution as provided in Part IX to determine if such modification shall be  
5 made. Modification of a document shall be required only upon a showing that: (1) the requested modifi-  
6 cation is based on significant new information; and (2) the requested modification could be of significant  
7 assistance in evaluating impacts on the public health or welfare or the environment, in evaluating the se-  
8 lection of remedial alternatives, or in protecting human health and the environment.

9                   8.24       Nothing in this Part shall alter U.S. EPA's or IDHW's ability to request the  
10 performance of additional work, in accordance with Part XV.

#### 11 12                                   IX. RESOLUTION OF DISPUTES

13                   9.1       Except as expressly set forth in this Agreement, if a dispute arises under this  
14 Agreement, the procedures of this Part shall apply. It is the intent of the Parties to resolve issues at the  
15 OU or WAG Manager level and that the Support Agency shall invoke Dispute Resolution only for  
16 significant issues.

17                   9.2       All Parties to this Agreement shall make reasonable efforts to informally  
18 resolve disputes at the Project Manager or immediate supervisor level. If resolution cannot be achieved  
19 informally, the procedures of this Part shall be implemented to resolve a dispute.

20                   (a)       Within thirty (30) days after: (1) the submittal of a draft final primary docu-  
21 ment pursuant to Part VIII of this Agreement, or (2) any action which leads to or generates a dispute, the  
22 disputing Party shall submit to the other Parties a written statement of dispute setting forth the nature of  
23 the dispute, the work affected by the dispute, the disputing Party's position with respect to the dispute and  
24 the information the disputing Party is relying upon to support its position.

1                   H. Availability of Dispute Resolution for Draft Final Primary Documents

2                   8.19       Dispute resolution shall be available to the Parties for draft final primary  
3 documents as set forth in Part IX. When dispute resolution is invoked on a draft final primary document,  
4 work may be stopped in accordance with the procedures set forth in Part IX.

5                   I. Finalization of Draft Final Primary Documents

6                   8.20       The draft final primary document shall serve as the final primary document if  
7 no Party invokes dispute resolution regarding the document or, if invoked, at completion of the dispute  
8 resolution process should U.S. DOE's position be sustained. If U.S. DOE's determination is not sustained  
9 in the dispute resolution process, U.S. DOE shall prepare, within not more than thirty-five (35) days, a  
10 revision of the draft final document which conforms to the results of dispute resolution. In appropriate  
11 circumstances, the time period for this revision period may be extended in accordance with Part XIII  
12 hereof.

13                   J. Subsequent Modifications of Final Primary Documents

14                   8.21       Following finalization of any primary document pursuant to Paragraph 8.20,  
15 any Party to this Agreement may seek to modify the document, including seeking additional field work,  
16 pilot studies, computer modeling, or other supporting technical work, only as provided in Paragraphs 8.22  
17 and 8.23.

18                   8.22       A Party may seek to modify a primary document after finalization if it deter-  
19 mines, based on new information (i.e., information that became available, or conditions that became  
20 known, after the document was finalized) that the requested modification is necessary. A Party may seek  
21 such a modification by submitting a concise written request to the Project Manager of the other Parties.  
22 The request shall specify the nature of the requested modification and the new information upon which  
23 the request is based.

1                   8.15       In commenting on a draft document which contains a proposed ARARs  
2 determination, U.S. EPA and IDHW shall include a reasoned statement of whether they object to any por-  
3 tion of the proposed ARARs determination. To the extent that U.S. EPA or IDHW do object, they shall  
4 explain the basis for their objection in detail and shall identify any ARARs which they believe were not  
5 properly addressed in the proposed ARARs determination.

6                   8.16       Following the close of the comment period for a draft document, U.S. DOE  
7 shall give full consideration to all written comments on the draft document submitted during the comment  
8 period. With the exception of the RI with Baseline Risk Assessment, which shall be forty-five (45) days,  
9 U.S. DOE shall transmit to U.S. EPA and IDHW its written response to comments received during the  
10 comment period within thirty (30) days of the close of the comment period on a draft secondary docu-  
11 ment. Within forty-five (45) days of the close of the comment period on a draft primary document, U.S.  
12 DOE shall transmit to U.S. EPA and IDHW a draft final primary document, which shall include  
13 U.S. DOE's response to all written comments received within the comment period. While the resulting  
14 draft final document shall be the responsibility of U.S. DOE, it shall be the product of consensus to the  
15 maximum extent possible.

16                   8.17       In cases involving complex or unusually lengthy documents, U.S. DOE may  
17 extend the comment period provided in Paragraph 8.16 for an additional twenty (20) days by providing  
18 notice to U.S. EPA and IDHW. In appropriate circumstances, this time period may be further extended in  
19 accordance with Part XIII.

20                   8.18       Project Managers may agree to extend by fifteen (15) days the period for  
21 finalization of the draft final primary documents provided in Paragraph 8.3 as necessary for editing  
22 purposes.

1 G. Review and Comment on Draft Documents

2 8.12 U.S. DOE shall complete and transmit each draft primary document to U.S.  
3 EPA and IDHW on or before the corresponding deadline established for the issuance of the document.  
4 U.S. DOE shall complete and transmit the draft secondary document in accordance with the target dates  
5 established for the issuance of such documents established herein.

6 8.13 Unless the Parties mutually agree to another time period, all draft primary  
7 documents shall be subject to a forty-five (45) day period for review and comment, and all draft second-  
8 ary documents shall be subject to a thirty (30) day period for review and comment with the exception of  
9 the RI with Baseline Risk Assessment which shall be forty-five (45) days. Review of any document by  
10 U.S. EPA or IDHW concerns all aspects of the document (including completeness) and should include,  
11 but is not limited to, technical evaluation of any aspect of the document, and consistency with CERCLA,  
12 the NCP, and any pertinent guidance or policy promulgated by U.S. EPA or IDHW. Comments by  
13 U.S. EPA and IDHW shall be provided with adequate specificity so that U.S. DOE may respond to the  
14 comments and, if appropriate, make changes to the draft document. Comments shall refer to any pertinent  
15 sources of authority or references upon which the comments are based, and, upon request of U.S. DOE,  
16 U.S. EPA, or IDHW, shall provide a copy of the cited authority or reference. In cases involving complex  
17 or unusually lengthy documents, the Lead Agency may extend the forty-five (45) day comment period for  
18 an additional twenty (20) days by written notice to the other Parties prior to the end of the forty-five (45)  
19 day period. On or before the close of the comment period, the Lead Agency shall, and the Support  
20 Agency may, transmit their written comments to U.S. DOE.

21 8.14 Representatives of U.S. DOE shall make themselves readily available to U.S.  
22 EPA and IDHW during the comment period for purposes of informally responding to questions and com-  
23 ments on draft documents. Oral comments made during such discussions need not be the subject of a  
24 written response by U.S. DOE on the close of the comment period.

1 (e) Proposed Plan

2 (f) Health and Safety Plans submitted with RI/FS Work Plans

3 8.8 Although U.S. EPA and IDHW may comment on the draft documents for the  
4 secondary documents listed above, such documents shall not be subject to dispute resolution except as  
5 provided by Paragraphs 8.4 and 8.6. Target dates are established for the completion and transmission of  
6 draft secondary documents pursuant to the Action Plan.

7 E. Meetings of the Project Managers on Development of Documents

8 8.9 The Project Managers shall meet or confer approximately every fourteen (14)  
9 days, except as otherwise agreed by the Parties, to review and discuss the progress of work being  
10 performed at INEL on the primary and secondary documents. Prior to preparing any draft document  
11 specified in Paragraphs 8.5 and 8.7 above, the Project Managers shall meet to discuss the document in an  
12 effort to reach a common understanding, to the maximum extent practicable, with respect to the results to  
13 be presented in the draft document.

14 F. Identification and Determination of Potential ARARs

15 8.10 For those primary documents or secondary documents that consist of or  
16 include ARAR determinations, the Project Managers shall meet prior to the issuance of a draft document,  
17 to identify and propose, to the best of their ability, all potential ARARs pertinent to the document being  
18 addressed. Draft ARAR determinations shall be prepared by U.S. DOE in accordance with Section  
19 121 (d) (2) of CERCLA, 42 U.S.C. § 9621 (d) (2), the NCP, and pertinent guidance issued by U.S. EPA  
20 and IDHW which is not inconsistent with CERCLA and the NCP.

21 8.11 In identifying potential ARARs, the Parties recognize that actual ARARs can  
22 be identified only on a site-specific basis and that ARARs depend on the specific hazardous substances at  
23 a site, the particular actions proposed as a remedy, and the characteristics of a site. The Parties recognize  
24 that ARAR identification is necessarily an iterative process and that potential ARARs must be re-  
25 examined throughout the RI/FS process until a ROD is issued.

1 C. Primary Documents

2 8.5 As required by the Action Plan, U.S. DOE shall complete and transmit for  
3 each OU/WAG the applicable primary documents to U.S. EPA and IDHW for review and comment in  
4 accordance with the provisions of this part:

- 5 (a) Remedial Investigation ("RI")/Feasibility Study ("FS") Scope of  
6 Work ("SOW")
- 7 (b) RI/FS Work Plan
- 8 (c) RI/FS Report
- 9 (d) Record of Decision ("ROD")
- 10 (e) Remedial Design ("RD")
- 11 (f) Remedial Action ("RA") Work Plan
- 12 (g) RA Report
- 13 (h) Operations and Maintenance Report

14 8.6 Only the draft final versions for the primary documents identified above shall  
15 be subject to dispute resolution. U.S. DOE shall complete and transmit draft primary documents in accor-  
16 dance with the deadlines established in Table A.1 of Appendix A of the Action Plan. The Action Plan is  
17 appended to the Agreement as Attachment A.

18 D. Secondary Documents

19 8.7 As required by the Action Plan, U.S. DOE shall complete and transmit the  
20 following applicable draft secondary documents to U.S. EPA and IDHW for review and comment in ac-  
21 cordance with the provisions of this part:

- 22 (a) Scope of Work for Interim Actions
- 23 (b) Preliminary Scoping Track 2 Sampling and Analysis Plan
- 24 (c) Preliminary Scoping Track 2 Summary Report
- 25 (d) RI Report/Baseline Risk Assessment

1                   8.2           The designation of a document as "draft" or "final" is solely for purposes of  
2 consultation with U.S. EPA and IDHW in accordance with this Part. Such designation does not affect the  
3 obligation of the Parties to issue documents, which may be referred to herein as "final," to the public for  
4 review and comment as appropriate and as required by law.

5                                   B. General Process for Submission of Documents

6                   8.3           Primary documents include those documents that are major, discrete portions  
7 of required activities. Primary documents shall be initially issued by U.S. DOE in draft, subject to review  
8 and comment by U.S. EPA and IDHW. Following receipt of comments on a particular draft primary doc-  
9 ument, U.S. DOE shall respond to the comments received and issue a draft final primary document sub-  
10 ject to dispute resolution. The draft final primary document shall become the final primary document  
11 either thirty (30) days after submittal of a draft final document if dispute resolution is not invoked, unless  
12 otherwise agreed as provided in Paragraph 8.18, or as modified by decision of the dispute resolution  
13 process. The lead/support agencies shall, within the first fifteen (15) days of this thirty (30) day period for  
14 finalization of primary documents, identify to U.S. DOE any issues or comments in order to provide suf-  
15 ficient time for review, discussion, and modification of draft final documents, as necessary, to resolve  
16 potential disputes.

17                   8.4           Secondary documents include those documents that are discrete portions of  
18 the primary documents and are typically input or feeder documents. Secondary documents shall be issued  
19 by U.S. DOE in draft subject to review and comment by U.S. EPA and IDHW. Although U.S. DOE shall  
20 respond to comments received, the draft secondary documents may be finalized in the context of the cor-  
21 responding draft final primary document to be issued. A secondary document may be disputed at the time  
22 the corresponding draft final primary document is issued.

1 the INEL Site which, in the absence of Section 121 (e) (1) of CERCLA and the NCP, would require a  
2 federal or state permit, U.S. DOE shall include in the appropriate documents submitted to the Lead and  
3 Support Agencies:

- 4 (a) Identification of each permit which would otherwise be required;
- 5 (b) Identification of the standards, requirements, criteria, or limitations which  
6 would have had to have been met to obtain each permit; and
- 7 (c) Explanation of how the response action proposed will meet the standards,  
8 requirements, criteria, or limitations of this Part.

9 7.8 The Parties further recognize that on-going hazardous waste management  
10 activities at INEL not subject to this Agreement may require the issuance of permits under federal and  
11 state laws. This Agreement does not affect the requirements, if any, to obtain such permits. However, this  
12 Agreement shall be referenced and incorporated as corrective action in any permit issued to U.S. DOE for  
13 ongoing hazardous waste management activities at INEL. With respect to response action portions of this  
14 Agreement incorporated by reference into permits, the Parties intend that judicial review of the incor-  
15 porated portions shall, to the extent authorized by law, only occur under the provisions of CERCLA.

## 17 VIII. CONSULTATION WITH U.S. EPA AND IDHW

### 18 A. Applicability

19 8.1 The provisions of this Part establish the procedures that shall be used by the  
20 Parties to provide each other with appropriate notice, review, comment, and response to comments regard-  
21 ing submitted documents, specified herein as either primary or secondary documents. In accordance with  
22 Section 120 of CERCLA, 42 U.S.C. § 9620, U.S. DOE will normally be responsible for issuing primary  
23 and secondary documents to U.S. EPA and IDHW. As of the effective date of this Agreement, all draft  
24 and final documents for any deliverable document identified herein shall be prepared, distributed, and  
25 subject to dispute in accordance with Paragraphs 8.3 through 8.24 below.



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B. Response Actions

7.4 The Parties seek to ensure site-wide consistency, minimize the potential for conflict, eliminate potentially duplicative or uncoordinated requirements, utilize well-established and available processes and guidance, achieve compliance with CERCLA, RCRA, and HWMA, and agree that the HWMA corrective action process is functionally equivalent to the CERCLA response action process. Therefore, the requirements of CERCLA and the NCP shall be reflected in the Action Plan.

7.5 The Parties agree to apply the Action Plan at all WAGs, regardless of the Lead Agency designation.

7.6 It is the intent of the Parties that the Action Plan process shall apply to all cleanups covered by this Agreement to the exclusion of any process in future RCRA or HWMA corrective action regulations which would otherwise be applicable. In the event that the regulatory agencies determine that the process of such corrective action regulations become applicable and could impose inconsistent or duplicative requirements, the Parties shall amend this Agreement to assure compliance with CERCLA and ensure that the CERCLA/NCP response action process referenced in the Action Plan continues to be applied at all WAGs.

C. Permitting

7.7 The Parties recognize that under Section 121 (e) (1) of CERCLA, 42 U.S.C. 9621 (e) (1), response actions called for by this Agreement and conducted entirely on the INEL Site are exempted from the procedural requirement to obtain federal, state, or local permits, when such response action is selected and carried out in compliance with Section 121 of CERCLA, 42 U.S.C. 9621. Nonetheless, these actions shall satisfy, to the extent authorized by law, all the applicable or relevant and appropriate federal and state standards, requirements, criteria, or limitations which would have been included in any such permit. Accordingly, when U.S. DOE proposes that a response action be conducted entirely on

1                   6.8           The actions to be taken pursuant to this Agreement are reasonable and neces-  
2                   sary to protect the public health, welfare, or the environment.

3  
4                                   VII. REGULATORY APPROACH

5                                   A. Project Management

6                   7.1           As provided in the Action Plan, each Party shall designate a Project Manager  
7                   for the purpose of overseeing the implementation of this Agreement. Any Party may change its desig-  
8                   nated Project Manager by written notification to the other Parties ten (10) days before the change, to the  
9                   extent possible. To the maximum extent possible, communications between the Parties concerning the  
10                  terms and conditions of this Agreement shall be directed through the Project Manager. Each Project Man-  
11                  ager shall be responsible for assuring that all communications from the other Parties are appropriately  
12                  disseminated to that responsible Project Manager's organization. Any Party may also provide written  
13                  notification of an alternate Project Manager.

14                  7.2           The Action Plan identifies all Waste Area Groups ("WAGs") and designates  
15                  the Lead Regulatory Agency ("Lead Agency") for each WAG at INEL. U.S. EPA and IDHW will reeval-  
16                  uate the Lead Agency assignments for all WAGs four (4) years after the effective date of this Agreement.  
17                  This Agreement shall be amended by U.S. EPA and IDHW to incorporate transitional changes, as  
18                  necessary.

19                  7.3           The Lead Agency responds to all submittals in accordance with Part VIII.  
20                  The regulatory agency not designated as Lead Agency shall be the Supporting Regulatory Agency ("Sup-  
21                  port Agency"). The Support Agency receives copies of all submittals and provides review, comment, and  
22                  consultation as resources permit in accordance with Part VIII. In the event of a disagreement, disputes are  
23                  resolved according to Part IX.

1                   6.2           INEL is a facility as defined in Section 101(9) of CERCLA, 42 U.S.C. §  
2   9601(9) and was listed by U.S. EPA on the National Priorities List ("NPL") on November 21, 1989.  
3   54 Fed. Reg. 44,184 (November 21, 1989).

4                   6.3           Since the establishment of the INEL Site in 1949, materials subsequently  
5   defined as hazardous substances have been produced, disposed of, and released at INEL;

6                   6.4           U.S. DOE is a generator of hazardous waste and an owner/operator of a  
7   hazardous waste management facility at INEL. Facilities at INEL engaged in treatment, storage, or  
8   disposal of hazardous waste at the INEL facility are subject to interim status requirements;

9                   6.5           U.S. DOE owned and operated its facility as a hazardous waste management  
10   facility on and after November 19, 1980, the applicable date which renders facilities subject to interim  
11   status requirements or the requirement to have a permit under Sections 3004 and 3005 of RCRA.  
12   42 U.S.C. §§ 6924 and 6925, and HWMA; and July 3, 1986, the applicable date for interim status for  
13   permits under Sections 3004 and 3005 of RCRA, 42 U.S.C. §§ 6924 and 6925, and HWMA for mixed  
14   waste facilities.

15                  6.6           Pursuant to Section 3010 of RCRA, 42 U.S.C. § 6930, U.S. DOE notified  
16   U.S. EPA of its hazardous waste activity. In its notification, U.S. DOE identified itself as a generator of  
17   hazardous waste and an owner/operator of INEL, a treatment, storage, and disposal facility for hazardous  
18   waste;

19                  6.7           There have been releases and there may continue to be releases and threat-  
20   ened releases of hazardous substances into the environment within the meaning of Sections 101(22), 104,  
21   106, and 107 of CERCLA, 42 U.S.C. §§ 9601(22), 9604, 9606, and 9607; Section 3004 (u) of RCRA,  
22   42 U.S.C. § 6924 (u); and HWMA, I.C. 39-4408, at or from INEL. With respect to those releases or  
23   threatened releases, U.S. DOE is a responsible person within the meaning of Section 107 of CERCLA,  
24   42 U.S.C. § 9707, and HWMA, I.C. 39-4403;

1 (d) Assure compliance with applicable federal and state hazardous waste laws  
2 and regulations for matters covered herein.  
3

#### 4 V. STATUTORY COMPLIANCE

5 5.1 This Agreement integrates U.S. DOE's CERCLA response obligations and  
6 RCRA and HWMA corrective action obligations at INEL which relate to the release(s) of hazardous sub-  
7 stances covered by this Agreement. Compliance with activities required by this Agreement will be  
8 deemed to: achieve compliance with CERCLA, 42 U.S.C. § 9601, et seq.; satisfy the corrective action  
9 requirements of Sections 3004 (u) and (v) of RCRA, 42 U.S.C. §§ 6924(u) and (v), for a RCRA permit,  
10 and Section 3008 (h), 42 U.S.C. § 6928 (h), for interim status facilities; satisfy the corrective action  
11 requirements of HWMA; and meet or exceed all applicable or relevant and appropriate federal and state  
12 laws and regulations to the extent required by Section 121 of CERCLA, 42 U.S.C. § 9621.

13 5.2 Based upon the foregoing, the Parties intend that any response action  
14 selected, implemented, and completed under this Agreement will be protective of human health and the  
15 environment such that remediation of releases covered by this Agreement shall obviate the need for  
16 further response action under federal or state law.

17 5.3 Nothing in this Agreement shall alter U.S. DOE authority with respect to  
18 removal actions which are conducted pursuant to Section 104 of CERCLA, 42 U.S.C. § 9604, as provided  
19 by Executive Order 12580.  
20

#### 21 VI. REGULATORY DETERMINATIONS

22 6.1 The following sections of this Part constitute a summary of the facts upon  
23 which U.S. EPA and IDHW are proceeding for the purposes of this Agreement. Neither the facts nor  
24 determinations stated in this Agreement shall be considered admissions by U.S. DOE; nor shall they be  
25 used for any purpose other than determining the jurisdictional basis of this Agreement.

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27 IDAHO NATIONAL ENGINEERING LABORATORY

December 4, 1991

28 This document has been reprinted. Line and page numbers do not conform to original.

1 actions are undertaken and completed as necessary to protect the public health, welfare, and the  
2 environment;

3 (b) Establish a procedural framework and schedule for developing, prioritizing,  
4 implementing, and monitoring appropriate response actions at INEL in accordance with CERCLA,  
5 RCRA, and HWMA;

6 (c) Facilitate cooperation, exchange of information, and participation of the  
7 Parties in such actions;

8 (d) Minimize the duplication of analysis and documentation;

9 (e) Expedite the cleanup process to the maximum extent practicable consistent  
10 with protection of human health and the environment; and

11 (f) Supersede the Consent Order and Compliance Agreement ("COCA"), Docket  
12 No. 1086-05-16-3008/3013, issued pursuant to Section 3008 of RCRA, 42 U.S.C. § 6928, and executed  
13 on July 10, 1987.

14 4.2 Specifically, the purposes of this Agreement are to:

15 (a) Identify IA alternatives which are appropriate at INEL prior to the implemen-  
16 tation of final actions at INEL. IA alternatives shall be identified and informally proposed by the Parties  
17 as early as possible and prior to formal proposal. This process is designed to promote cooperation among  
18 the Parties in promptly identifying IA alternatives;

19 (b) Establish requirements for the performance of investigations to determine  
20 fully the nature and extent of any threat to the public health or welfare or the environment caused by any  
21 release or threatened release of hazardous substances at INEL, and to establish requirements for the per-  
22 formance of studies for U.S. DOE to identify, evaluate, and select alternatives for the appropriate action(s)  
23 to prevent, mitigate, or abate the release or threatened release of hazardous substances at INEL;

24 (c) Implement the selected response actions in accordance with the Action Plan;  
25 and

1 III. PARTIES

2 3.1 The Parties to this Agreement are U.S. EPA, IDHW, and U.S. DOE. Each  
3 undersigned representative of a Party certifies that she or he is fully authorized to enter into the terms and  
4 conditions of this Agreement.

5 3.2 Contractors of each Party are not considered Parties to this Agreement. The  
6 Parties shall be responsible for ensuring that their respective contractors conduct their activities in confor-  
7 mance with the requirements of this Agreement.

8 3.3 U.S. DOE shall provide a copy of this Agreement and relevant attachments to  
9 each of its prime contractors at INEL. A copy of this Agreement shall be made available to all other con-  
10 tractors and subcontractors at INEL retained to perform work under this Agreement.

11 3.4 U.S. DOE agrees to undertake all actions required by the terms and condi-  
12 tions of this Agreement and not to contest IDHW or U.S. EPA jurisdiction to execute this Agreement and  
13 enforce its requirements as provided herein, including, but not limited to, Part X and subject to  
14 Part XXXI.

15 3.5 This Part III shall not be construed as a promise to indemnify any person.

16 3.6 Under no condition shall a Party under this Agreement utilize the services of  
17 any consultant, prime contractor, or subcontractor who has been suspended, debarred, or voluntarily  
18 excluded within the scope of 40 C.F.R. Part 32 or under the Federal Acquisition Regulations ("FAR") at  
19 48 C.F.R. Subpart 9.4 et seq.

20  
21 IV. STATEMENT OF PURPOSE

22 4.1 The general purposes of this Agreement are to:

23 (a) Ensure that the environmental impacts associated with releases or threatened  
24 releases of hazardous substances at INEL are thoroughly investigated and that appropriate response

1 (x) "RI/FS Work Plan" is a plan which contains five (5) distinct components.  
2 These are: (1) a Work Plan; (2) a Sampling and Analysis Plan which consists of a Field Sampling Plan  
3 and a Quality Assurance Project Plan; (3) a Data Management Plan Supplement; (4) a Health and Safety  
4 Plan; and (5) a Community Relations Plan Supplement;

5 (y) "State" shall refer to the State of Idaho, Department of Health and Welfare,  
6 its employees, and authorized representatives;

7 (z) "Support Agency" shall mean the regulatory agency (U.S. EPA or IDHW)  
8 which has not been assigned as Lead Agency. The Support Agency provides review, comments, and con-  
9 sultation as resources permit;

10 (aa) "Target date" shall not mean an enforceable date and shall not be subject to  
11 stipulated penalties;

12 (bb) "United States Department of Energy" ("U.S. DOE") shall mean the United  
13 States Department of Energy, and any of its successor agencies, employees, and authorized repre-  
14 sentatives;

15 (cc) "United States Environmental Protection Agency" ("U.S. EPA") shall mean  
16 the United States Environmental Protection Agency, including Region 10, and any of its successor agen-  
17 cies, employees, and authorized representatives;

18 (dd) "WAG Manager" shall mean each Party's lead for implementing WAG-  
19 specific Action Plan requirements; and

20 (ee) "Waste Area Groups" or "WAG" shall mean one of the ten (10) permanent  
21 management areas of INEL as defined in the Action Plan. Each WAG contains one or more operable  
22 units, with designated Lead and Support Agencies as specified in the Action Plan.

1 (m) "IDHW" shall mean the State of Idaho Department of Health and Welfare or  
2 any of its successor agencies, employees, and authorized representatives;

3 (n) "INEL" shall mean the Idaho National Engineering Laboratory located near  
4 Idaho Falls, Idaho, as described at 54 Fed. Reg. 48,184 (November 21, 1989);

5 (o) "Interim Action" ("IA") shall mean any early action taken in an operable unit  
6 to achieve significant risk reduction quickly, or to expedite completion of total site cleanup, and which  
7 should not be inconsistent with nor preclude the implementation of the final remedy;

8 (p) "Lead Agency" shall mean the regulatory agency (U.S. EPA or IDHW)  
9 which is designated primary administrative technical oversight responsibility with respect to implement-  
10 ing this Agreement at a particular Waste Area Group pursuant to the Action Plan;

11 (q) "NCP" shall mean the National Oil and Hazardous Substances Pollution Con-  
12 tingency Plan, 40 C.F.R. Part 300, as amended;

13 (r) "Paragraph" shall mean a numbered Paragraph of this Agreement;

14 (s) "Part" shall mean one of the subdivisions of this Agreement which is desig-  
15 nated by a Roman Numeral;

16 (t) "Parties" shall mean U.S. DOE, U.S. EPA, and IDHW;

17 (u) "Project Manager" shall mean each Party's primary lead for all INEL-related  
18 contacts under this Agreement;

19 (v) "RCRA" shall mean the Resource Conservation and Recovery Act, 42 U.S.C.  
20 §§ 6901 et seq., as amended by the Hazardous and Solid Waste Amendments of 1984 ("HSWA"), Pub. L.  
21 98-616, and any regulations promulgated pursuant thereto;

22 (w) "Response Action" includes all activities taken pursuant to the Action Plan of  
23 this Agreement, subject to Paragraph 5.3, to satisfy the requirements of CERCLA and the corrective  
24 action requirements of HWMA.



1 (c) "Agreement" shall mean this document and shall include all attachments,  
2 modifications, and final primary documents which shall be in writing are hereby fully incorporated herein  
3 and are fully enforceable;

4 (d) "ARARs" shall mean all Applicable or Relevant and Appropriate Require-  
5 ments for response actions as required by Section 121 (d) of CERCLA, 42 U.S.C. § 9621 (d);

6 (e) "Authorized representative" shall include any person, including a Party's  
7 contractors, who is specifically designated by a Party to have a defined capacity, including an advisory  
8 capacity;

9 (f) "CERCLA" shall mean the Comprehensive Environmental Response, Com-  
10 pensation, and Liability Act, 42 U.S.C. §§ 9601 et seq., as amended by the Superfund Amendments and  
11 Reauthorization Act of 1986 ("SARA"), Pub. L. 99-499, and any regulations promulgated pursuant there-  
12 to;

13 (g) "Consent Order" shall mean an Agreement which in no way constitutes or  
14 shall be construed as a unilateral order of any kind;

15 (h) "Days" shall mean calendar days, unless otherwise specified. Any submittal  
16 under the terms of this Agreement that would be due on a Saturday, Sunday, or a state or federal holiday  
17 shall be due on the following business day;

18 (i) "Deadline" shall mean an enforceable date which is also subject to stipulated  
19 penalties;

20 (j) "Document" shall mean every document, report, schedule, deliverable, work  
21 plan, or other item to be submitted to U.S. EPA and/or IDHW pursuant to this Agreement;

22 (k) "Hazardous substances" shall mean all hazardous wastes, pollutants, contam-  
23 inants, or constituents regulated under CERCLA, RCRA, or HWMA;

24 (l) "HWMA" shall mean the Idaho Hazardous Waste Management Act of 1983,  
25 I.C. §§ 39-4401 et seq., as amended, and any regulations promulgated pursuant thereto;

1                   1.4           It is the position of IDHW that corrective action requirements are applicable  
2 to INEL and that such requirements are enforceable pursuant to state and federal law. It is the position of  
3 U.S. DOE and U.S. EPA that such requirements are not enforceable because INEL is listed on the Nation-  
4 al Priorities List. Subject to, and without waiving the provisions of, Part XXXI, to the extent, if any, cor-  
5 rective action is required pursuant to RCRA and HWMA at INEL, the Parties agree that this Agreement  
6 shall be deemed to constitute, and to fulfill the requirements of, a Consent Order under I.C. § 39-4413;  
7 provided, however, that in the event of any judicial or administrative action, nothing in this Agreement  
8 shall constitute or be interpreted as an admission or stipulation (nor evidence thereof) of a waiver by U.S.  
9 DOE and U.S. EPA of any jurisdictional or other claim or defense, including any jurisdictional or other  
10 claim or defense regarding the applicability of Idaho law.

11                   1.5           As provided in 55 Fed. Reg. 11,015-11,018 (March 26, 1990), U.S. EPA au-  
12 thorized the State of Idaho to operate its hazardous waste program in lieu of the federal hazardous waste  
13 program. U.S. EPA retains oversight authority pursuant to Section 3006 of RCRA, 42 U.S.C. § 6926, and  
14 40 C.F.R. 271.19.

## 15 16                                   II. DEFINITIONS

17                   2.1           The terms used in this Agreement shall have the same meaning as defined in  
18 Section 101 of CERCLA, 42 U.S.C. § 9601; the National Oil and Hazardous Substances Pollution Contingency  
19 Plan ("NCP"), 40 C.F.R. Part 300; Section 1004 of RCRA, 42 U.S.C. § 6903; and HWMA, I.C. §  
20 39-4403. In addition:

21                   (a)           "Action Plan" shall mean the CERCLA/NCP response action process for  
22 implementing this Agreement, which is set forth as Attachment A;

23                   (b)           "Additional Work" shall mean any new or different work beyond the  
24 approved Scope of Work as provided for by Part XV;

1 Based on the information available to the Parties on the effective date of this Federal  
2 Facility Agreement and Consent Order ("Agreement"), and without trial or adjudication of any issues of  
3 fact or law, the Parties agree as follows:  
4

#### 5 I. JURISDICTION

6 Each Party is entering into this Agreement pursuant to the following authorities:

7 1.1 The United States Environmental Protection Agency, Region 10  
8 ("U.S. EPA") enters into this Agreement pursuant to Section 120 (e) of the Comprehensive Environmental  
9 Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. § 9620 (e), as amended by the  
10 Superfund Amendments and Reauthorization Act of 1986 ("SARA"), Pub. L. 99-499 (hereinafter jointly  
11 referred to as "CERCLA"); Sections 3004 (u) and (v), 3005, 3008(h), and 6001 of the Resource Conser-  
12 vation and Recovery Act ("RCRA"), 42 U.S.C. §§ 6924 (u) and (v), 6925, 6928 (h), and 6961, as  
13 amended by the Hazardous and Solid Waste Amendments of 1984 ("HSWA"), Pub. L. 98-616 (hereinaf-  
14 ter jointly referred to as "RCRA"); and Executive Order 12580 (January 8, 1987).

15 1.2 The State of Idaho, Department of Health and Welfare ("IDHW"), by and  
16 through its Director, enters into this Agreement pursuant to Sections 107, 120, and 121 of CERCLA,  
17 42 U.S.C. §§ 9607, 9620 and 9621; Sections 3004 (u) and (v), 3006, and 6001 of RCRA, 42 U.S.C. §§  
18 6924 (u) and (v), 6926, and 6961; the Environmental Protection and Health Act ("EPHA"), Idaho Code  
19 ("I.C.") § 39-101, et seq.; and the Hazardous Waste Management Act ("HWMA"), I.C. § 39-4401 et seq.

20 1.3 The United States Department of Energy ("U.S. DOE") enters into this  
21 Agreement pursuant to Section 120 (e) of CERCLA, 42 U.S.C. § 9620 (e); Sections 3004 (u) and (v),  
22 3008 (h), and 6001 of RCRA, 42 U.S.C. §§ 6924 (u) and (v), 6928, and 6961; Executive Orders 12580  
23 (January 8, 1987) and 12088 (October 1978); the National Environmental Policy Act ("NEPA"),  
24 42 U.S.C. § 4321 et seq.; and the Atomic Energy Act of 1954 ("AEA"), as amended, 42 U.S.C. §  
25 2011 et seq.

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27 IDAHO NATIONAL ENGINEERING LABORATORY

December 4, 1991

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## ATTACHMENTS

- A. . . . . Action Plan for Implementation of the Federal Facility  
Agreement and Consent Order
- B. . . . . Mutual Cooperative Funding Agreement

THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, REGION 10,  
THE STATE OF IDAHO, DEPARTMENT OF HEALTH AND WELFARE,  
AND THE  
UNITED STATES DEPARTMENT OF ENERGY

IN THE MATTER OF: )  
THE U.S. DEPARTMENT OF ENERGY )  
IDAHO NATIONAL ENGINEERING )  
LABORATORY ("INEL"), )  
Idaho Falls, Idaho )  
FEDERAL FACILITY AGREEMENT  
AND CONSENT ORDER  
Administrative Docket Number:  
1088-06-29-120

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IDAHO NATIONAL ENGINEERING LABORATORY

December 4, 1991

# Action Plan

*for Implementation of the*  
**Federal Facility  
Agreement and  
Consent Order**

THE STATE OF IDAHO,  
DEPARTMENT OF  
HEALTH & WELFARE

THE UNITED STATES  
ENVIRONMENTAL PROTECTION  
AGENCY, REGION 10

THE UNITED STATES  
DEPARTMENT OF ENERGY,  
IDAHO FIELD OFFICE

*for the*  
**Idaho National Engineering Laboratory**

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## ACRONYMS

AEA	-	Atomic Energy Act
ANL-W	-	Argonne National Laboratory - West
ANP	-	Aircraft Nuclear Propulsion
ARA	-	Auxiliary Reactor Area
ATR	-	Advanced Test Reactor
BORAX	-	Boiling Water Reactor Experiment
BRA	-	Baseline Risk Assessment
CERCLA	-	Comprehensive Environmental Response, Compensation and Liability Act
CFA	-	Central Facilities Area
COCA	-	Consent Order and Compliance Agreement
CSM	-	Conceptual Site Model
D&D	-	Decontamination and Decommissioning
DOD	-	Department of Defense
DQO	-	Data Quality Objective
EBR-I	-	Experimental Breeder Reactor-I
EBR-II	-	Experimental Breeder Reactor-II
H&SP	-	Health and Safety Plan
HWMA	-	Hazardous Waste Management Act
IA	-	Interim Action
ICPP	-	Idaho Chemical Processing Plant
IDHW	-	Idaho Department of Health and Welfare
IET	-	Initial Engineering Test Facility
INEL	-	Idaho National Engineering Laboratory
LCCDA	-	Liquid Corrosive Chemical Disposal Area
LDU	-	Land Disposal Unit

<b>LOFT</b>	-	Loss of Fluid Test Facility
<b>NCP</b>	-	National Oil and Hazardous Substances Pollution Contingency Plan (National Contingency Plan)
<b>NEPA</b>	-	National Environmental Policy Act
<b>NODA</b>	-	Naval Ordnance Disposal Area
<b>NRF</b>	-	Naval Reactor Facility
<b>O&amp;M Plan</b>	-	Operation and Maintenance Plan
<b>OU</b>	-	Operable Unit
<b>PBF</b>	-	Power Burst Facility
<b>PREPP</b>	-	Process Experimental Pilot Plant
<b>QAPjP</b>	-	Quality Assurance Project Plan
<b>QAPP</b>	-	Quality Assurance Program Plan
<b>RCRA</b>	-	Resource Conservation and Recovery Act
<b>RD/RA</b>	-	Remedial Design/Remedial Action
<b>RI/FS</b>	-	Remedial Investigation/Feasibility Study
<b>ROD</b>	-	Record of Decision
<b>RWMC</b>	-	Radioactive Waste Management Complex
<b>SAP</b>	-	Sampling and Analysis Plan
<b>SDA</b>	-	Subsurface Disposal Area
<b>SMC</b>	-	Specific Manufacturing Capability
<b>SOW</b>	-	Statement of Work
<b>SPERT</b>	-	Special Power Excursion Reactor Test
<b>SRPA</b>	-	Snake River Plain Aquifer
<b>SWEPP</b>	-	Stored Waste Examination Pilot Plant
<b>SWMU</b>	-	Solid Waste Management Unit
<b>TAN</b>	-	Test Area North

<b>TRA</b>	-	Test Reactor Area
<b>TSA</b>	-	Transuranic Storage Area
<b>TSF</b>	-	Test Support Facility
<b>U.S. DOE</b>	-	United States Department of Energy
<b>U.S. EPA</b>	-	United States Environmental Protection Agency
<b>WAG</b>	-	Waste Area Group
<b>WAG 1</b>	-	Waste Area Group 1 – Test Area North (TAN)
<b>WAG 2</b>	-	Waste Area Group 2 – Test Reactor Area (TRA)
<b>WAG 3</b>	-	Waste Area Group 3 – Idaho Chemical Processing Plant (ICPP)
<b>WAG 4</b>	-	Waste Area Group 4 – Central Facilities Area (CFA)
<b>WAG 5</b>	-	Waste Area Group 5 – Power Burst Facility (PBF)/Auxillary Reactor Area (ARA)
<b>WAG 6</b>	-	Waste Area Group 6 – Experimental Breeder Reactor No. I (EBR-I)
<b>WAG 7</b>	-	Waste Area Group 7 – Radioactive Waste Management Complex (RWMC)
<b>WAG 8</b>	-	Waste Area Group 8 – Naval Reactor Facility (NRF)
<b>WAG 9</b>	-	Waste Area Group 9 – Argonne National Laboratory – West (ANL-W)
<b>WAG 10</b>	-	Waste Area Group 10 – Miscellaneous surface sites and liquid disposal areas throughout the INEL that are not included within other WAGs
<b>WRRTF</b>	-	Water Reactor Research Test Facility

## 1.0 INTRODUCTION

This Action Plan implements the Idaho National Engineering Laboratory (INEL) Federal Facility Agreement and Consent Order (FFA/CO), hereafter referred to as "the Agreement."

### 1.1 Action Plan Goal

U.S. Department of Energy (U.S. DOE), U.S. Environmental Protection Agency (U.S. EPA), and Idaho Department of Health and Welfare (IDHW) have a common goal to ensure that releases or threatened releases of hazardous substances at the INEL are thoroughly investigated in accordance with the National Contingency Plan (NCP) and that appropriate response actions are undertaken and completed as necessary to protect human health and the environment.

The purposes of the Agreement are to:

- Establish a procedural framework and schedule for developing, prioritizing, implementing, and monitoring appropriate response actions at the INEL in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), and Idaho Hazardous Waste Management Act (HWMA)
- Facilitate cooperation, exchange of information, and participation of the Parties in such actions
- Minimize duplication of analyses and documentation
- Expedite the clean-up process to the maximum extent possible consistent with protection of human health and the environment and
- Supersede the existing RCRA 3008(h) Consent Order and Compliance Agreement (COCA) executed on July 10, 1987

### 1.2 CERCLA Philosophy/Strategy

CERCLA's implementing regulation, the NCP, has a "bias for action." A fundamental goal of cooperative efforts by U.S. DOE, U.S. EPA, and IDHW in implementing this Agreement is that remedial action be emphasized. This goal recognizes that no reasonable amount of investigation can resolve all uncertainty and that once remedial actions are initiated they must be able to accommodate deviations from original hypotheses. This approach encourages timely remedy selection, flexibility for remedial action, and contingencies to respond to new information discovered during investigations.

The Parties support this "bias for action" position and the environmental restoration program for the INEL will proceed based on the following:

- Interim actions under the NCP will be used to proceed quickly with cleanup.

- Site characterization will be planned on the basis of optimizing field sampling and maximizing use of available data.
- Treatability studies will proceed promptly to establish technologies that are appropriate for restoration of complex units.

### 1.3 CERCLA Integration with Other Programs

#### 1.3.1 Transition From RCRA to CERCLA

The Agreement to which this Action Plan is attached supersedes the INEL COCA. This effectively moves the investigation and cleanup of releases at the INEL from a RCRA to a CERCLA process. Although data gathered and planning accomplished to date are of future value in the CERCLA process, requirements pursuant to the COCA cease at the time of the Agreement's execution.

All waste management units identified for consideration under the COCA are accounted for in the transition to the Agreement. In some instances, this is accomplished by simply identifying those COCA units that will receive no further consideration under the new Agreement. Evaluation of existing data does not indicate a basis for potential risk for these units. Consensus was reached by the Parties to the Agreement regarding the No Action designation. Many of these units were already approved under terms of the COCA for deletion from further consideration. Descriptions of units in this category, including the rationale for the No Action determinations, will be in the INEL Administrative Record and will support the appropriate **Record of Decision (ROD) for each Waste Area Group (WAG)**. All units not in this category were assigned to operable units (OUs) within the CERCLA process described in this Action Plan.

Thirty Land Disposal Units (LDUs) were identified under the COCA. All 30 of these LDUs will be evaluated under this Agreement. Units retaining the RCRA LDU designation will be remediated under the CERCLA process in accordance with the applicable substantive requirements of RCRA/HWMA, if an unacceptable risk to human health or the environment is demonstrated.

#### 1.3.2 Integration with Other Programs

Releases or threatened releases of hazardous substances under regulatory programs that require investigation and study for cleanup are addressed under this Action Plan.

## 2.0 CERCLA PROCESS

This section describes the process that will be followed in implementing this Action Plan and applying the CERCLA process, as defined in the NCP, to the remedial effort at the INEL. The process is presented in a series of flow charts with associated generic time lines (Figures 2.1 through 2.3) and the brief narrative descriptions below. Each flow chart identifies the primary and secondary documents associated with the process or "track" shown in the flow chart. Schedules, including enforceable deadlines, based on application of this process are shown in Appendix A as Figure A. Deadlines for primary documents derived from those schedules are in Table A.1, Appendix A. Specific target dates for the completion of secondary documents will be established during the development of Scopes of Work. Schedules and deadlines may be extended for good cause pursuant to Part XIII of the Agreement.

### 2.1 CERCLA Process Overview

Figure 2.1 presents a general overview of the process that will be used to achieve appropriate remedial action decisions for the various operable units at the INEL. Consistent with the "bias for action" philosophy, the Action Plan encourages and provides the necessary flexibility to reach an early determination on an OU when there is sufficient information. The determination may be that no further action is necessary, that an interim action is appropriate, or that the OU should proceed through the Remedial Investigation/Feasibility Study (RI/FS) process to a final action. This flexibility is supported by establishing generic "tracks" allowing consistency between the scope and duration of investigations and complexity of associated documentation, and between the scope and complexity of the problems being addressed. The process to reach expeditious decisions is depicted in Figure 2.1 by showing that an interim action OU can be broken off from any track and proceed directly to the Interim Action track and then to the Decision or ROD process at any time during the process when there is adequate information to support such a decision. The process also provides Project Managers with the flexibility to prioritize work and organize OUs in a manner which will achieve the most benefit with available funds.

Under this process, each potential source area at the INEL is categorized into an Operable Unit group and for investigation or remedial activities. Actions are performed as necessary to abate health or environmental concerns in accordance with the NCP. Those Operable Units which are determined to pose a significant but acceptable risk and have the potential to contribute to the overall cumulative risk are designated for further evaluation. The consideration of a source area's contribution to the cumulative risk will be evaluated under an appropriate RI/FS risk assessment.

The following subsections describe the individual generic tracks.

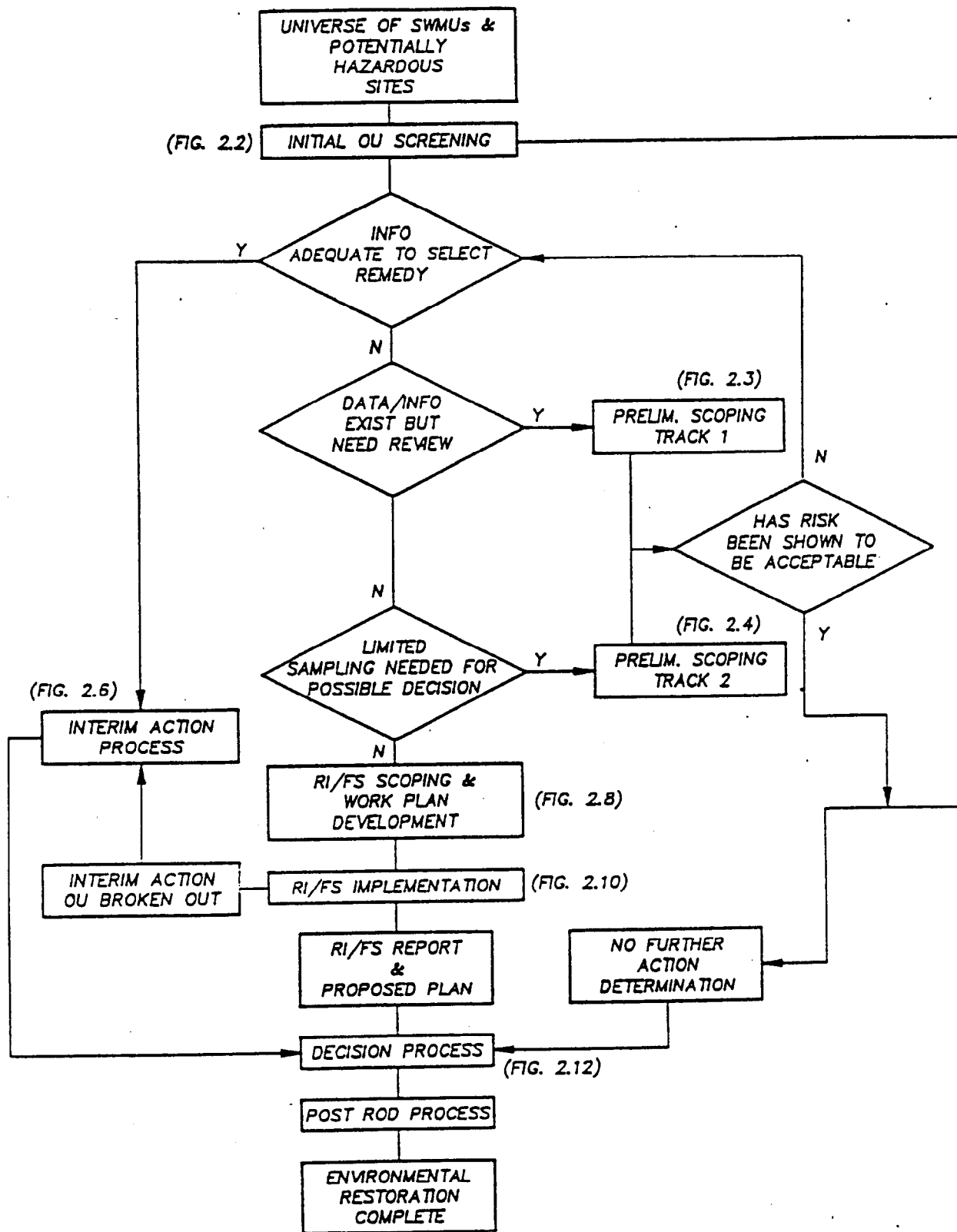


Figure 2.1 CERCLA Process Overview.

## 2.2 Initial Operable Unit Screening

The initial OU screening activity was conducted before the Agreement approval and, therefore, does not include a time line. The screening process is depicted in Figure 2.2. During this activity, individual Solid Waste Management Units (SWMUs) or potentially hazardous sites were identified for each WAG.

The extent of existing information and information gaps was identified sufficiently to assign the unit to the appropriate track. A No Further Action Determination was made only if there was no justification to further address the unit. Justification was based on the determination that no hazardous substances were released, or that an approved summary assessment existed under the COCA and there was no evidence of radiological contamination. If a clear No Further Action Determination could not be made, the unit was assigned to an interim action track or designated for further investigation. All No Further Action Determinations are subject to review at the time of issuance of the next appropriate ROD.

Interim action OUs were established only on the basis that the action would prevent exposure, would control risk, would be consistent with the expected final remedy, and was of sufficient priority to justify an immediate commitment of resources.

Following assignment to the appropriate track, potentially hazardous sites were combined on a WAG basis into OUs in keeping with the NCP definition of an OU as a discrete action that constitutes an incremental step toward comprehensively addressing site problems. Table A.2, Appendix A, identifies the OUs and presents the tracks on which each OU will be managed. Table A.2 also shows the units that received a No Further Action Determination during initial OU screening. On the basis of new information developed during the CERCLA process, the Project Managers may move potentially hazardous sites between OUs and may add or reorganize OUs to create new ones.

## 2.3 Preliminary Scoping Track 1

The Preliminary Scoping Track 1 process is appropriate for OUs that probably will not require further characterization as a basis for a decision for no further action. Track 1 studies are by definition envisioned to be evaluations of existing data. If the data evaluation requires more than minimal field characterization, the OU site should be in a Track 2 study (see Section 2.4).

As shown in Figure 2.3, the potential outcomes of a Track 1 study are proceeding to a No Further Action Determination, a Track 2 study, an interim action, or the RI/FS scoping process. These latter three tracks would be recommended if the data and qualitative risk evaluations identify unanticipated contamination or unacceptable risk potential.

Track 1 investigations supporting No Further Action Determinations are presented to the Project Managers on a quarterly basis during Project Managers' meetings. The Project Managers sign the No Further Action Determination and it is placed in the OU Administrative Record. An example of a No Further Ac-



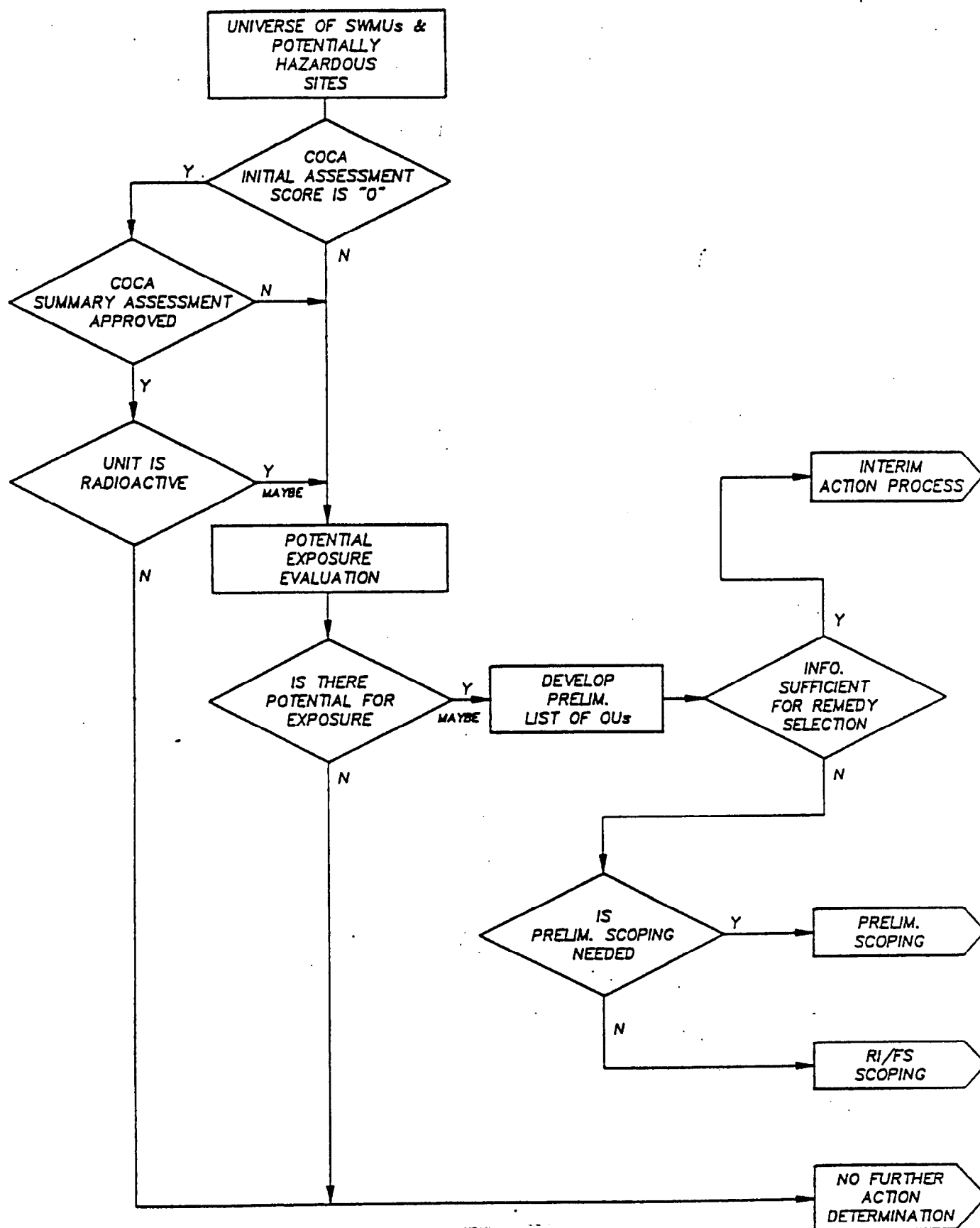
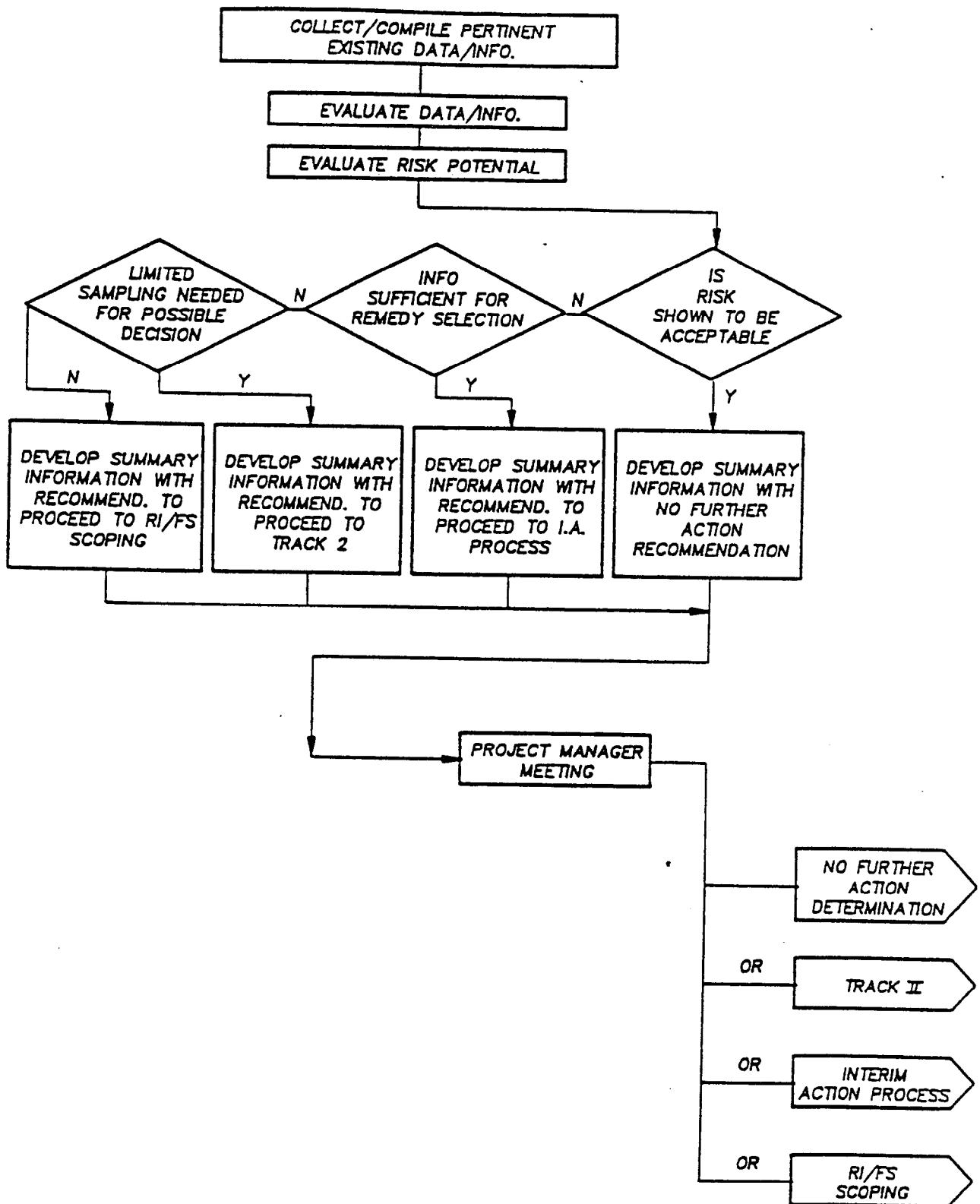


Figure 2.2 Initial OU Screening.



**Figure 2.3** Preliminary Scoping Track 1.

tion Determination is shown in Appendix B. The Project Managers evaluate the recommendations to proceed to Track 2, interim action, or RI/FS scoping and the Agreement is modified as appropriate under Part XXX to reflect the recommendations.

## 2.4 Preliminary Scoping Track 2

Preliminary Scoping Track 2, shown in Figure 2.4, is appropriate for OUs that require field data collection before a decision can be made for No Further Action or interim action of the unit. Because the Track 2 is designed for field data collection, sufficient time (18 months) is allowed to develop the needed planning documentation and to conduct the field investigation and laboratory analyses (Figure 2.5). Track 2 begins with the development of a Scope of Work (SOW) that summarizes scope, schedule, and deliverables. Track 2 studies end with the development of a Scoping Summary Report. A generic outline of this report is included as Appendix C.

Track 2 investigations could result in the OU proceeding to RI/FS scoping if a No Further Action or interim action decision is not justified by the data collected during Track 2 investigations.

Track 2 may also consist of the integrated demonstration of innovative technologies that represent potential INEL remediation processes. In this case, a Work Plan in lieu of a Sampling and Analysis Plan (SAP) would be developed. A summary report on the evaluation of the demonstration will be prepared. Both the Work Plan and the summary report would have secondary document status. The information generated in this type of Track 2 would support future interim action decisions or the evaluation of the technology during RI/FS implementation.

## 2.5 Interim Action Planning

An interim action is undertaken to eliminate, reduce, or control hazards posed by a site or to expedite completion of total site cleanup. The interim action planning process may be initiated any time the data will provide sufficient justification and when the Project Managers agree that immediate action is appropriate.

An SOW initiates the interim action process (see Figure 2.6). Data are compiled, qualitative risk findings are established, and appropriate technologies are reviewed during a 5-month period (see Figure 2.7). This information is used to develop a proposed plan that initiates the decision process.

## 2.6 RI/FS Scoping Process

The RI/FS scoping process, as described in the NCP and in the CERCLA *RI/FS Guidance* (October 1988, Interim Final), is basically the planning process for the RI/FS, beginning with development and approval of an SOW and culminating in the preparation and approval of the RI/FS Work Plan and other associated planning documents (see Figure 2.8). A 10-month time period is provided for this effort. Figure 2.9 provides a general time line for the tasks involved.

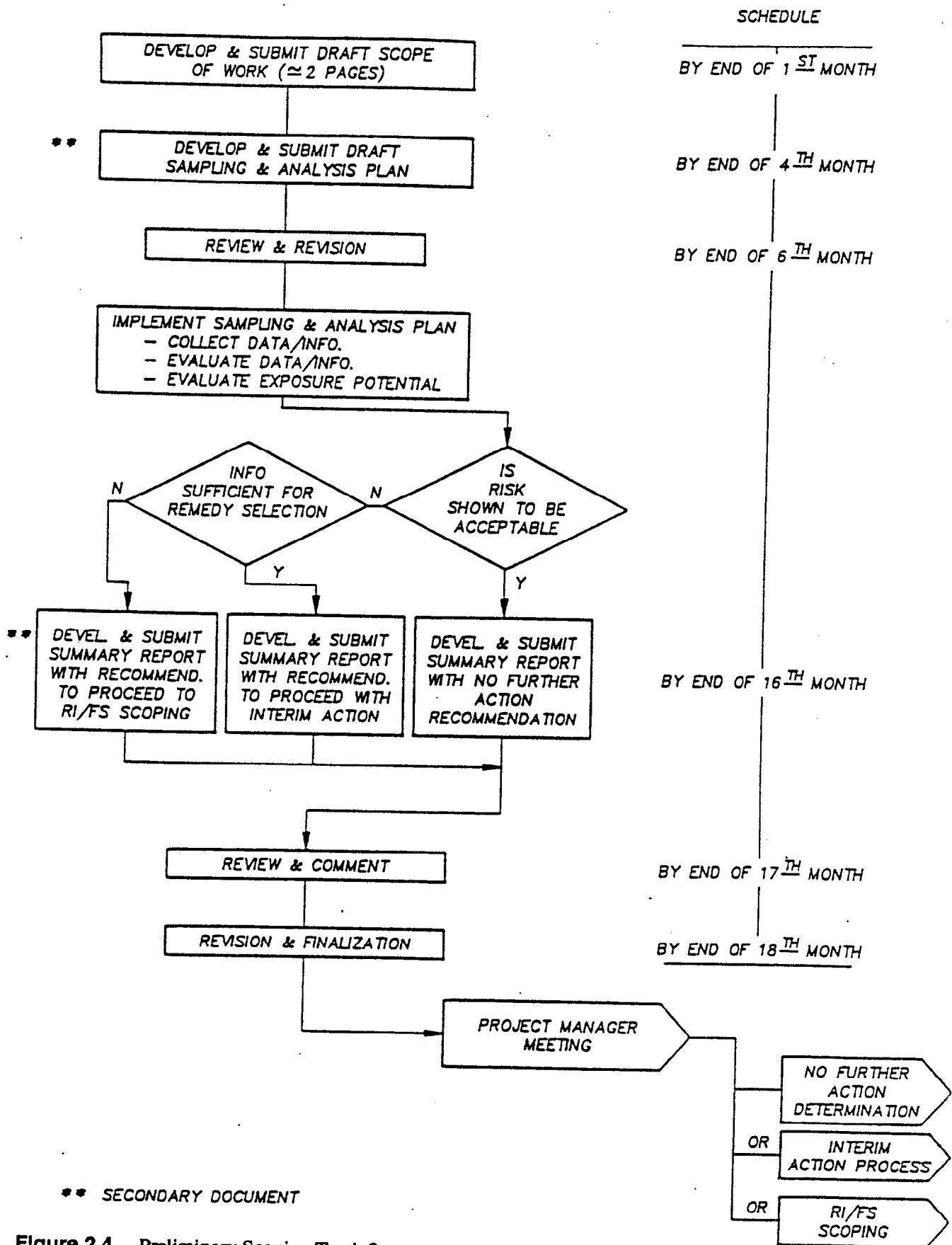


Figure 2.4 Preliminary Scoping Track 2.

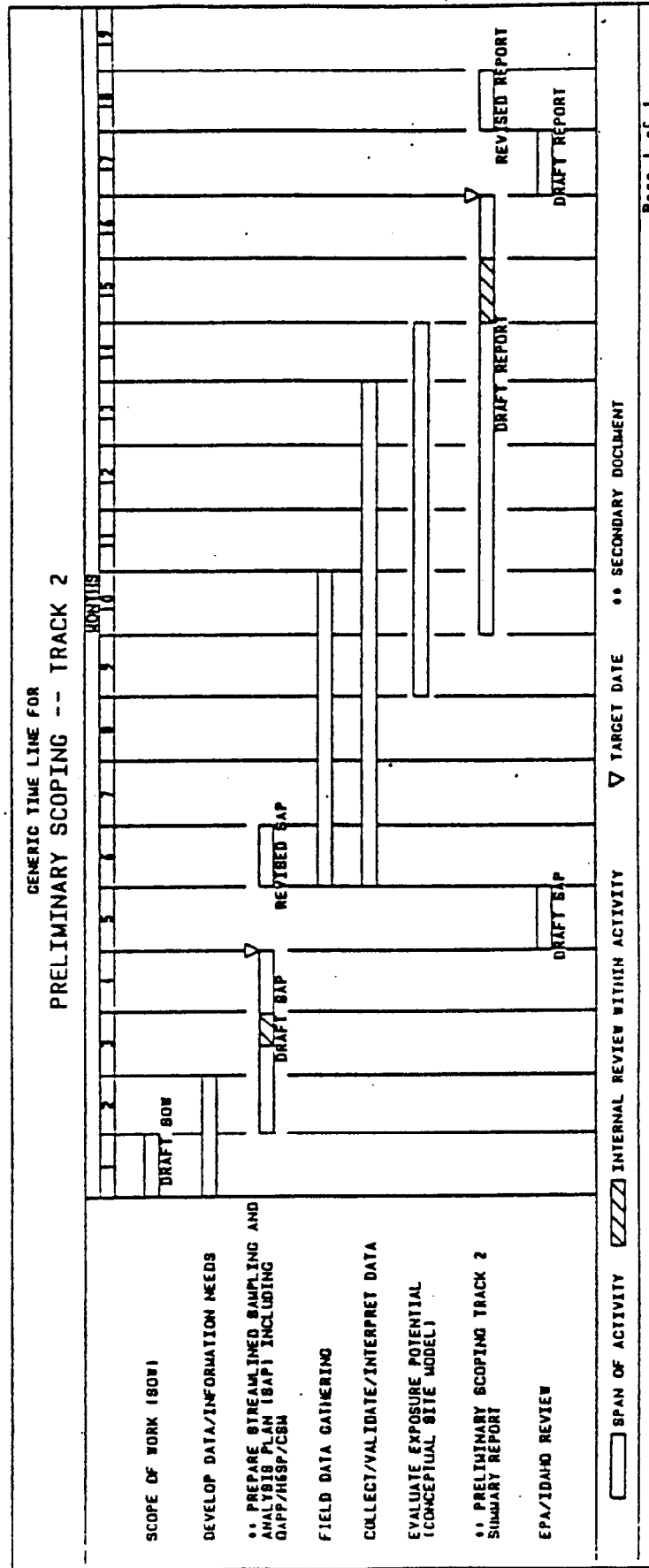
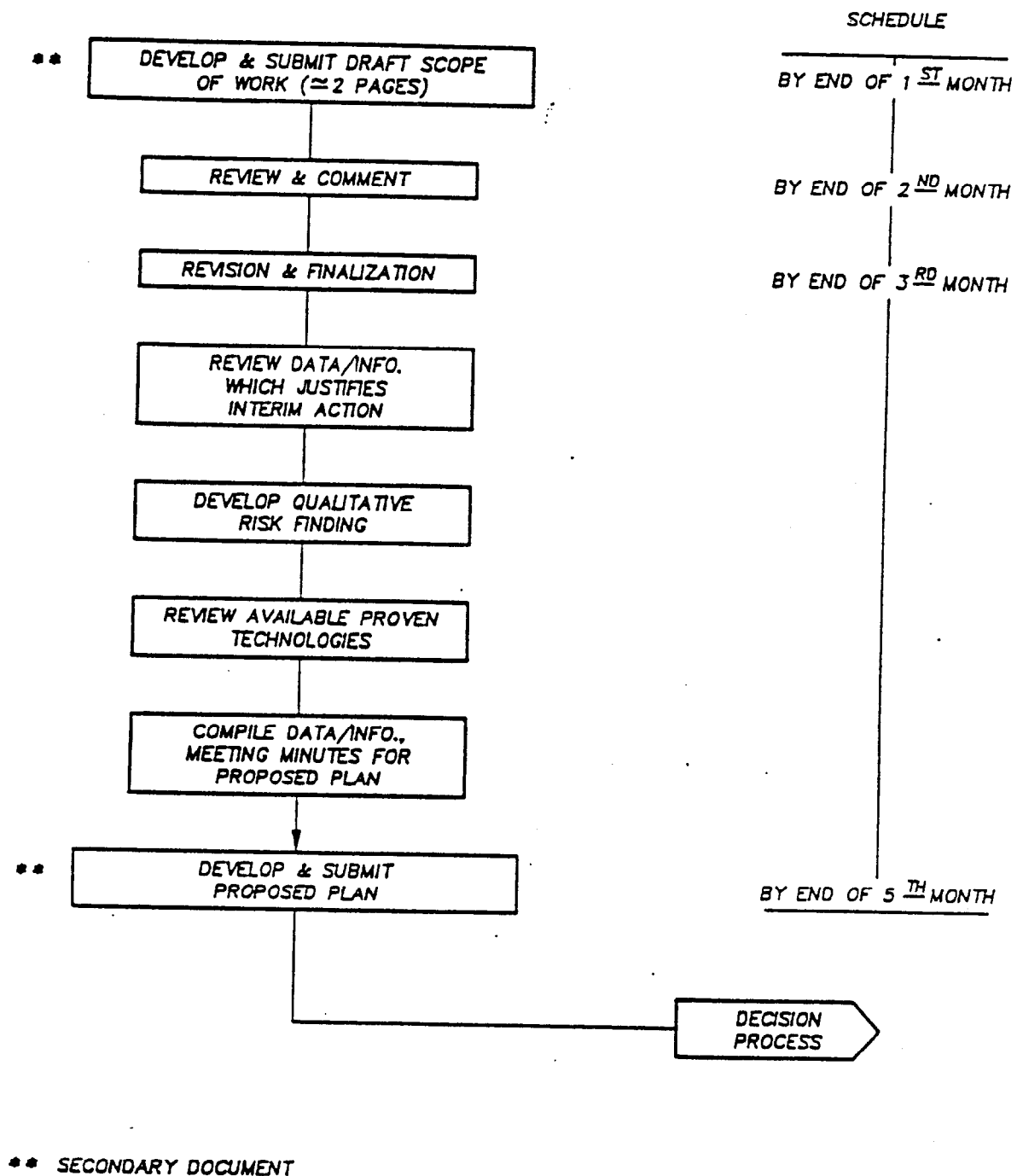
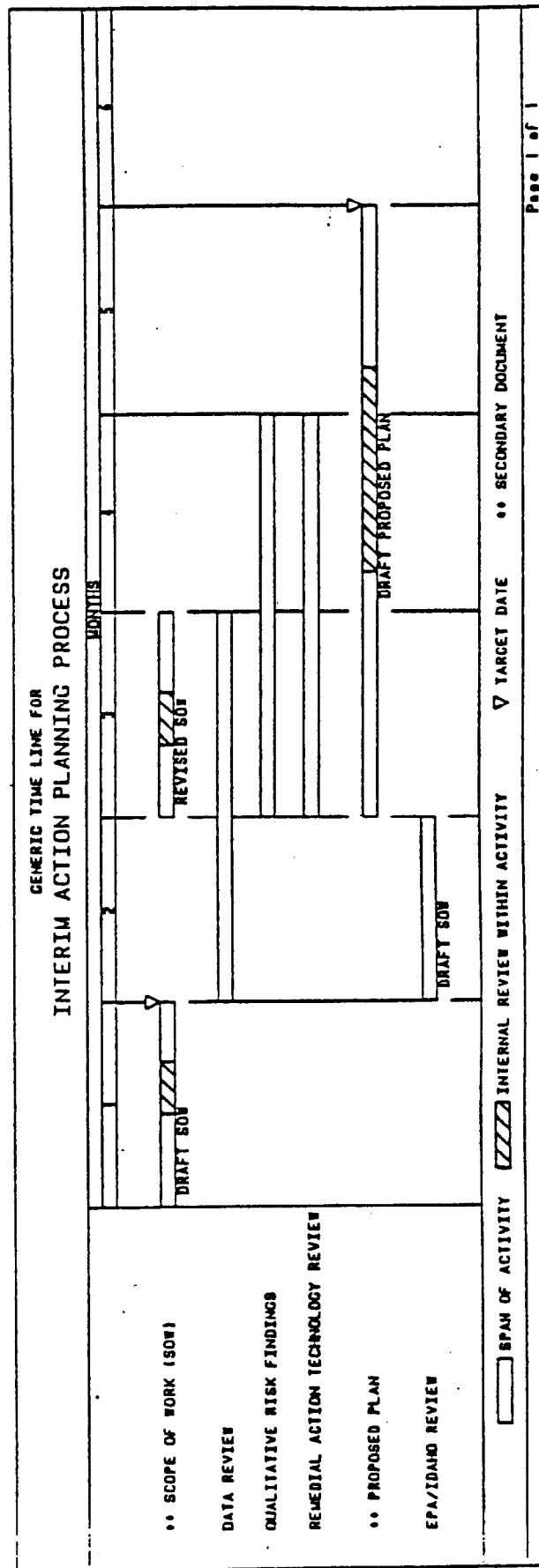


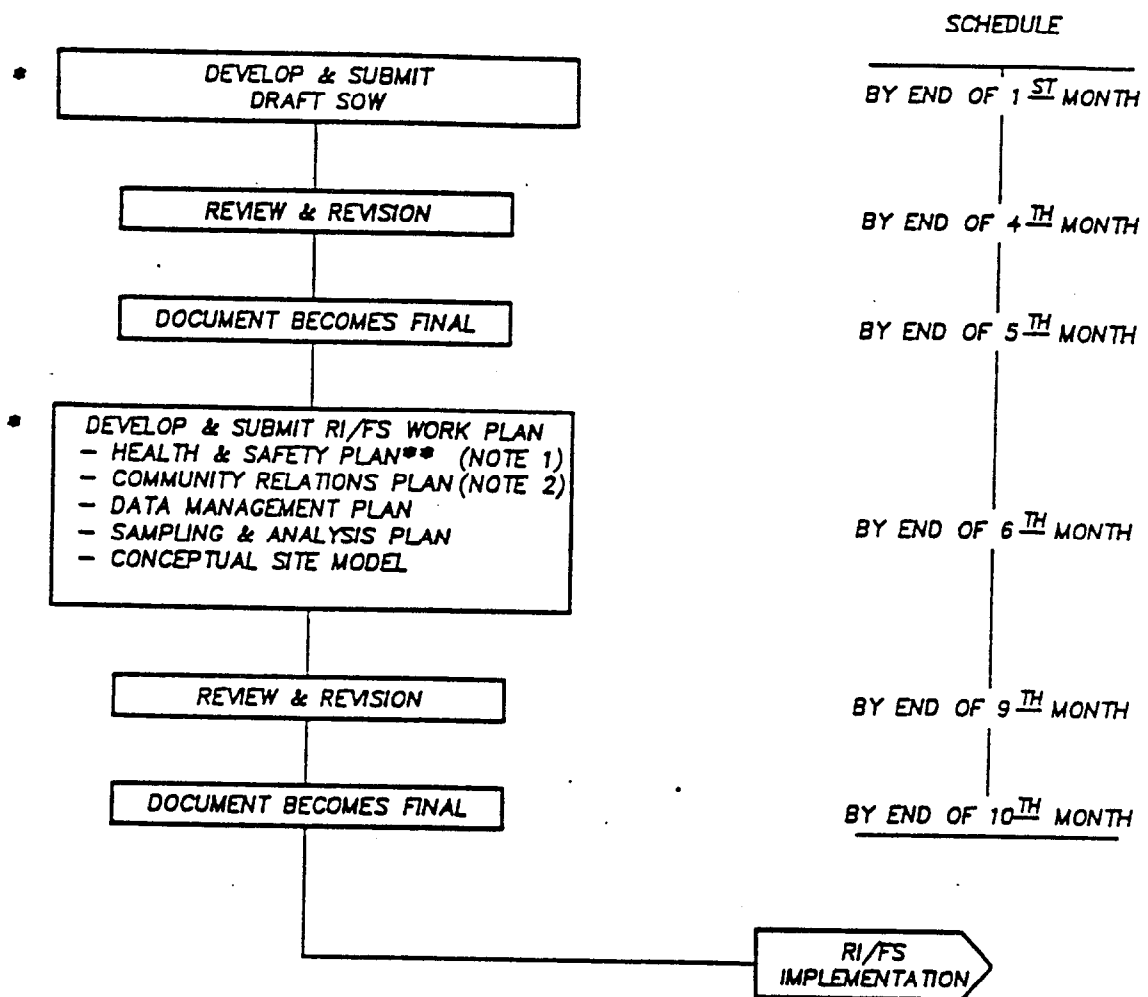
Figure 2.5 Generic Time Line for Preliminary Scoping—Track 2.



**Figure 2.6** Interim Action Planning Process.



**Figure 2.7** Generic Time Line for Interim Action Planning Process.



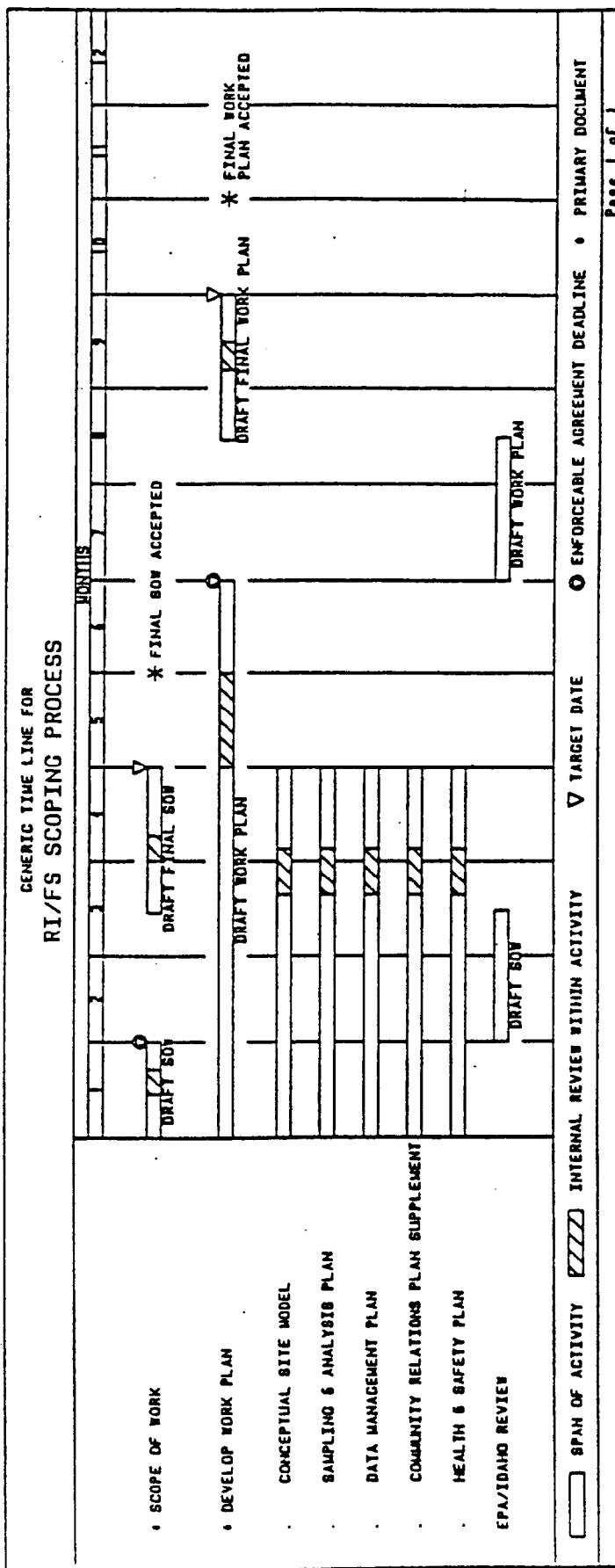
NOTE 1: THE HEALTH & SAFETY PLAN IS A SECONDARY DOCUMENT.

NOTE 2: THE WORK PLAN WILL INCLUDE A SUPPLEMENT TO THE INEL SITE-WIDE COMMUNITY RELATIONS PLAN (CRP)

- PRIMARY DOCUMENT
- SECONDARY DOCUMENT

**Figure 2.8** RI/FS Scoping Process.





**Figure 2.9** Generic Time Line for RI/FS Scoping Process.

The SOW referenced in Figure 2.8 contains a general description of the activities that will occur during the implementation of the RI/FS. It also provides adequate information about the scope of the investigation to allow Project Managers to estimate costs and amend established deadlines as necessary.

## 2.7 RI/FS Implementation

Figures 2.10 and 2.11 show a generic flow chart and time line for RI/FS implementation. The process follows the standard CERCLA RI/FS process and is estimated to take 20 months for completion. Treatability studies should be included in the RI/FS process as needed.

## 2.8 Decision Process

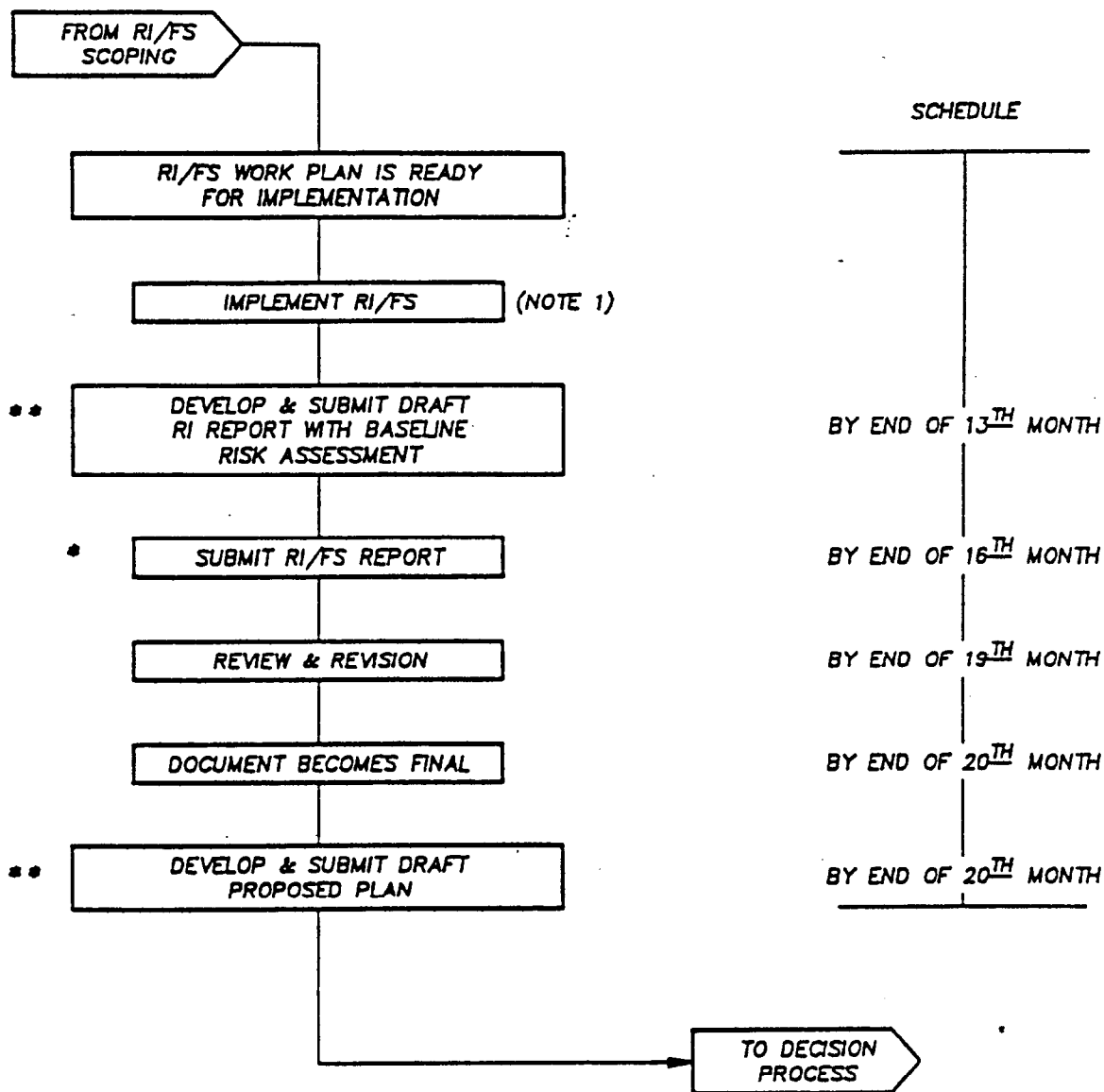
The decision process, shown in Figure 2.12 with a generic time line in Figure 2.13, is initiated when there is adequate information to select an interim or final remedy for an OU. The decision process is initiated with the submittal by U.S. DOE of the draft proposed plan for review. The OU Administrative Record is updated as necessary throughout the process to ensure that it includes all documentation pertinent to the remedial action decision. All public review and comment periods, responsiveness summaries, and other mechanics of the decision process follow the NCP, U.S. EPA guidance, and the INEL Community Relations Plan. Within 6 months of submittal of the proposed plan for lead and support agency review, the U.S. DOE should submit the draft ROD for lead and support agency review. The draft ROD then proceeds through the normal review and comment incorporation cycle of a primary document. When the ROD is signed, the decision process is complete. If the ROD requires remedial action, the Remedial Design and Remedial Action Work Plan are developed after ROD completion to define the schedules for completion of remedial design and remedial action.

Interim actions are preliminary by nature. All interim actions must be followed by a final decision and supported by a risk assessment to evaluate the residual risks to human health and the environment. In most cases, the comprehensive RI/FS for each WAG will provide the vehicle for the decision.

## 2.9 ROD Schedule

Figure A and Table A.1 (Appendix A) provide the schedules for all INEL OU RODs. These schedules will be refined through prioritization occurring during Project Manager meetings (see Section 4.0, Project Management) and will be based on new technical information and budget availability. Enforceable deadlines are included in the schedules. The critical-path schedule is based on the following conditions:

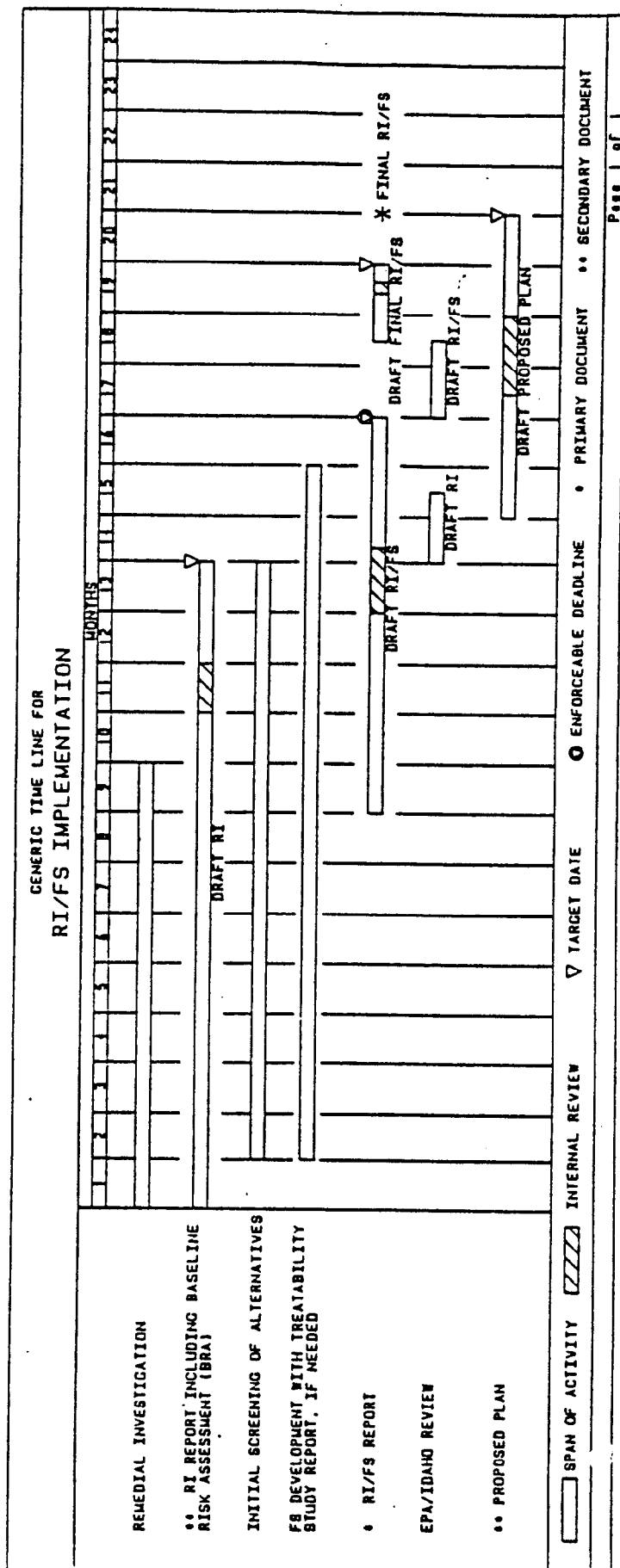
- Submittal of the last RI/FS report for all facility-specific WAGs (WAGs 1-9) will be prior to submittal of the draft RI/FS Work Plan for the last "blanketing" RI/FS for WAG 10.
- Submittal of the last Track 2 Summary Report for each WAG will be prior to submittal of the last RI/FS SOW for that WAG.
- All Track 1 reviews for each WAG will be completed prior to the submittal of the last Track 2 SAP for that WAG.



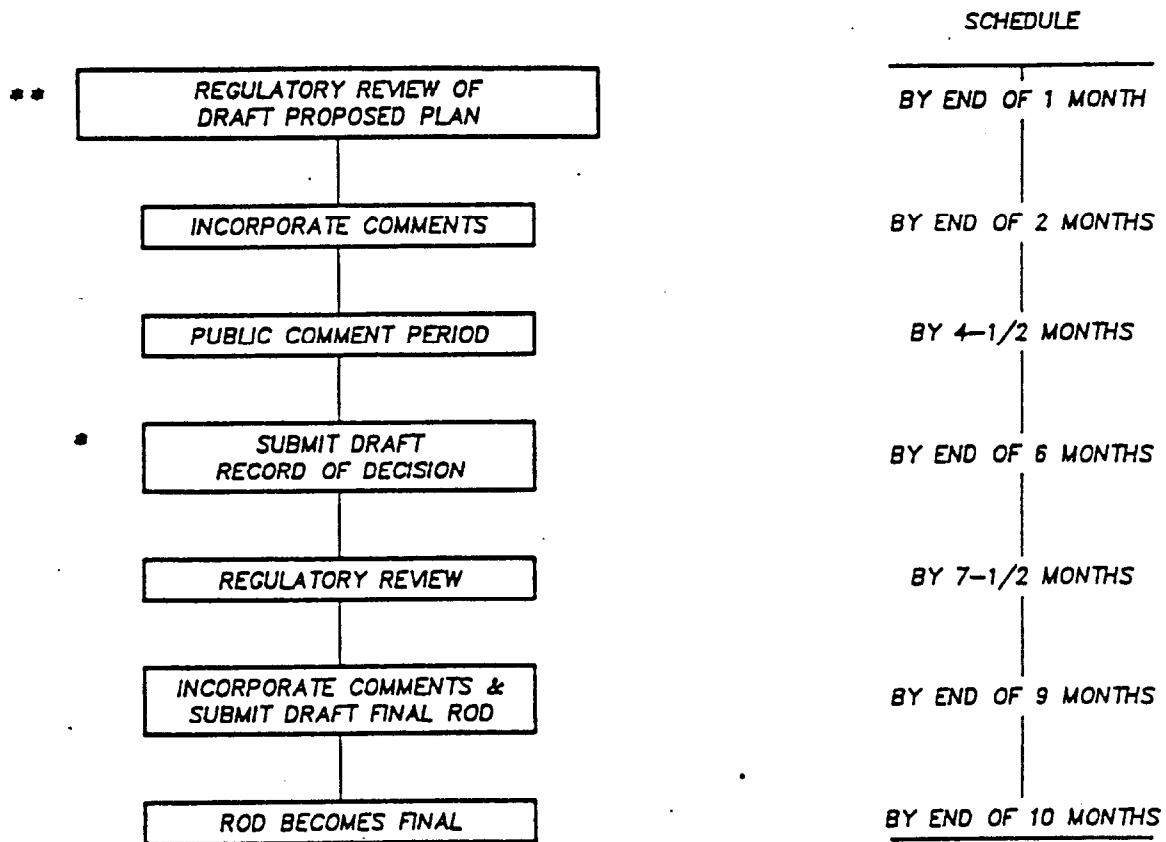
NOTE 1: IF THE NEED FOR ADDITIONAL TREATABILITY STUDIES OR INVESTIGATIONS ARE DISCOVERED DURING IMPLEMENTATION, ADDITIONAL SCOPE MAY BE ADDED TO A SUBSEQUENT RI/FS FOR A DIFFERENT OU, A PHASE II INVESTIGATION MAY BE INITIATED, OR OUs MAY BE REDEVELOPED.

- PRIMARY DOCUMENT
- SECONDARY DOCUMENT

Figure 2.10 RI/FS Implementation.

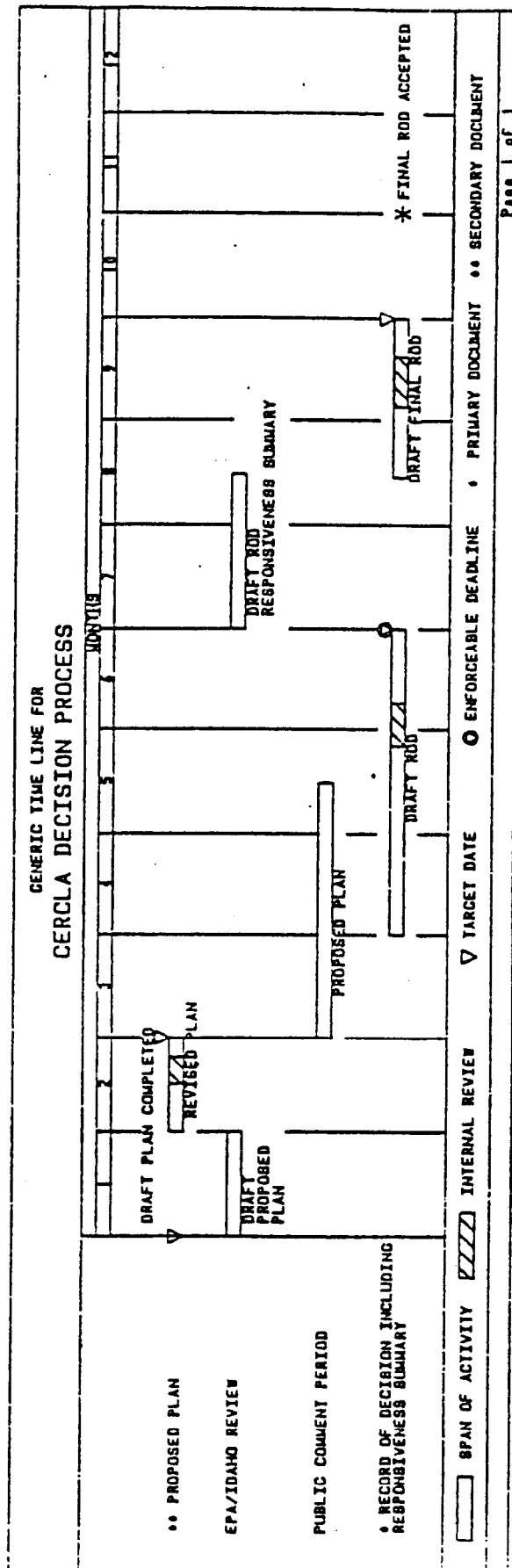


**Figure 2.11** Generic Time Line for RI/FS Implementation.



- \* PRIMARY DOCUMENT
- \*\* SECONDARY DOCUMENT

**Figure 2.12** Decision Process.



**Figure 2.13** Generic Time Line for CERCLA Decision Process.

## 2.10 Post-ROD Process

A general process and documentation are necessary to implement RODs at the INEL. Post-ROD activities include the Remedial Design (RD) and Remedial Action (RA) phases. The RD/RA process will be streamlined, to the extent possible, to meet the CERCLA requirement to commence substantial continuous physical on-site remedial action within 15 months of issuance of a ROD.

## 2.11 RD/RA Scoping Process

Part 12.2 of the Agreement states that U.S. DOE will, within 21 days of issuance of the ROD, propose target dates and deadlines for completion of post-ROD documents. This requirement will be met for the RD phase through the submittal of an RD/RA SOW. The RD/RA SOW will establish deadlines for submittal of two primary documents required by Part VIII of the Agreement, the Remedial Design and the RA Work Plan. The RD/RA SOW establishes the overall strategy for managing the RD/RA and, therefore, applies to all phases and remedial work elements. The RD/RA SOW will include, at a minimum, the following:

- Strategy for RD/RA and rationale for remedial work element breakout
- Recommended RD/RA approach including:
  - critical path schedule for the RD/RA process through RA work element commencement
  - funding needs and funding availability for RD/RA
  - brief description of the scope of each remedial work element
  - plans to expedite RD/RA
- Description of issues that remain to be resolved or that require further analysis
- Identification of elements of the Community Relations Plan that will be implemented during RD/RA

Because it is not possible to define a single set of secondary documents that will be useful in all cases, the RD/RA SOW will establish the secondary documents associated with the RD phase and the target submittal dates for each ROD. Comments received on secondary RD documents will be incorporated into the following primary remedial design document, recognizing that RD secondary documents represent incremental steps toward completing the Remedial Design.

For complex remedies, the Project Managers may determine that RD/RA will be best accomplished by dividing the RD and the RA processes into smaller, more manageable remedial work elements. A remedial work element is a portion of a project that has been broken out through phasing. The criteria for phasing may be the availability of existing information, type of waste, type of media involved, technology requirements, and/or funding availability. Although the Agreement identifies the Remedial Design and the RA Work Plan as separate primary documents, the Project Managers may choose to combine these

documents into a single primary document. In this instance, elements of the RA Work Plan will be incorporated into the Remedial Design.

To streamline the RD/RA process, the RD/RA SOW is not defined as a primary or secondary document in the Agreement. The lead and support agencies will have 30 days after submittal to invoke dispute resolution regarding its content. However, all three Project Managers intend to participate in the development of the RD/RA SOW. Given the 21-day timeframe for submittal of the RD/RA SOW, it will be a brief document (10 to 15 pages, mostly figures and tables).

#### 2.12 Remedial Design Process

In most cases, the Remedial Design phase will be initiated with the development of the RD Work Plan, a secondary document. For simple remedies, a separate RD Work Plan may not be necessary and the typical elements of the RD Work Plan could be incorporated into the RD/RA SOW. For complex remedies, a separate RD Work Plan may be developed for each identified work element. The RD Work Plan will include:

- Scope of preliminary and/or draft design documents
- Cost estimate for the RD phase
- Requirements for correlations between plans and specifications
- Identification of substantive permit requirements (see Part VII C of the Agreement)
- Identification and schedules for the preparation of other design elements (e.g., Additional Required Studies, Operation and Maintenance (O&M) Plan, Quality Assurance Project Plan (QAPjP), Site Health and Safety (H&S) Plan)
- Design approval procedures and requirements.

Given the critical nature of the RD, it will be necessary to provide the agencies with early design documents to ensure that consensus is maintained. This will be accomplished through the submittal of secondary design documents. In general, at least one secondary design document, the Preliminary Design, will be submitted. The Preliminary Design will typically represent 30% completion of plans and specifications. If available, preliminary results of any additional required studies may be included.

The Remedial Design will include:

- Plans and specifications for remedial action including design analysis and construction drawings and specifications
- Cost estimate for remedial action
- O&M Plan



- QAPjP
- Site H&S Plan
- Results of additional required studies, if any.

The Draft RD (Prefinal Design) will include all aspects of the design and be essentially complete. It will be considered representative of approximately 90% design completion. The final 10% of the design will include the resolution of comments on the Draft RD and preparation of reproducible construction drawings and specifications ready for bid advertisement. These changes and additions will be included in the Draft Final RD, which is the 100% design.

### 2.13 Remedial Action Process

The RA Work Plan will incorporate, by reference, pertinent aspects of the RD Work Plan. It will

- Specify any relevant changes in the content of the RD Work Plan arising from the design effort
- Update and expand upon schedules in the RD Work Plan by including dates for the submittal of primary and secondary documents for that remedial work element
- Update and expand upon the cost estimate for RA in the RD and
- Identify additional RA secondary documents

The remedial action process includes the preparation of at least one primary and one secondary document. The Prefinal Inspection Report will be a secondary document that will include:

- Outstanding construction requirements
- Actions required to resolve items
- Completion date and
- Date of final inspection

The prefinal inspection will be conducted by the Project Managers, at a minimum, and possibly by an independent fourth party. DOE will prepare the Prefinal Inspection Report. Although DOE will respond to comments received, the Prefinal Inspection Report will not be revised but, rather, will be finalized in the context of the primary RA Report. To the extent possible, RA Reports for individual work elements will be consolidated into a single RA Report.

The RA Report will be prepared at the completion of remedial action and will include:

- A brief description of outstanding items from the Prefinal Inspection Report

- Synopsis of work defined in RA Work Plan and certification that this work was performed
- Explanation of any modifications to the RA Work Plan
- Certification that the remedy is operational and functional; and
- Documentation necessary to support deletion of the site from the NPL, as discussed in Part XXV of the Agreement.

#### 2.14 Operation and Maintenance

At the completion of O&M activities, the DOE will prepare and submit an O&M Report to the EPA and IDHW. To the extent possible, O&M Reports for individual work elements will be consolidated into a single O&M Report. This primary document will include the following elements:

- Description of O&M activities performed
- Results of site monitoring, verifying that the remedy meets the performance criteria and
- Explanation of additional O&M (including monitoring) to be undertaken at the site

### 3.0 WAG CONCEPT AND DESCRIPTIONS

The INEL is divided into WAGs to facilitate environmental remediation efforts. WAGs 1 through 9 generally correspond to U.S. DOE-INEL operational facilities, while WAG 10 corresponds to overall concerns associated with the Snake River Plain Aquifer (SRPA) and those surface and subsurface areas not included in the bounds of the facility-specific WAGs.

Groundwater quality of the SRPA is a significant concern. The SRPA is a dynamic system that is common to the entire INEL and is not controlled by institutional boundaries. Therefore, treating the regional concerns of the SRPA beneath the INEL as an independent OU within WAG 10 is logical from an environmental restoration viewpoint.

Individual WAGs (1-9), in addition to including all SWMUs and other potentially hazardous units associated with the WAG and the surface area encompassed by them, address subsurface concerns including the vadose zone, perched aquifers, and the SRPA to the extent those concerns are specific to the WAG and its sources of contamination. WAG 10 addresses all regional SRPA concerns related to the INEL that cannot be adequately addressed on a WAG-specific basis. In addition, WAG 10 includes those surface and subsurface areas not included in the bounds of the facility-specific WAGs. Only under certain circumstances, as agreed by the Project Managers, are regional aquifer concerns addressed in a specific WAG (1-9).

In addressing WAG-specific aquifer concerns, the individual WAG investigations are not intended to characterize the aquifer or extent of aquifer contamination to great distances beyond the WAG boundary but are intended to obtain adequate information to make WAG-specific remedial action decisions.

As a general rule, WAG (1-9) investigations are intended to be conducted within approximately 1,000 feet of WAG facility fence lines or other recognized administrative boundaries.

Validated data compiled from all WAGs are routinely evaluated by U.S. DOE to determine if potential regional (non- or multiple- WAG-specific) problems have become evident. This activity involves more than one WAG and is considered to be part of the general administrative management function of the INEL Environmental Restoration Program. As such, it does not have a lead/support agency associated with it. Status of this activity is, however, a subject of Project Managers' meetings. If a problem or potential problem is identified, the situation could be considered as a candidate for interim action, remedial action under a facility-specific WAG, or remedial action under WAG 10, as determined by the Project Managers.

Ten WAGs are located at the INEL. A separate section describes each WAG; the WAG locations at the INEL are presented in Figure 3.1. The facility-specific WAGs are separated from one another and do not present boundary overlap problems.

# IDAHO NATIONAL ENGINEERING LABORATORY

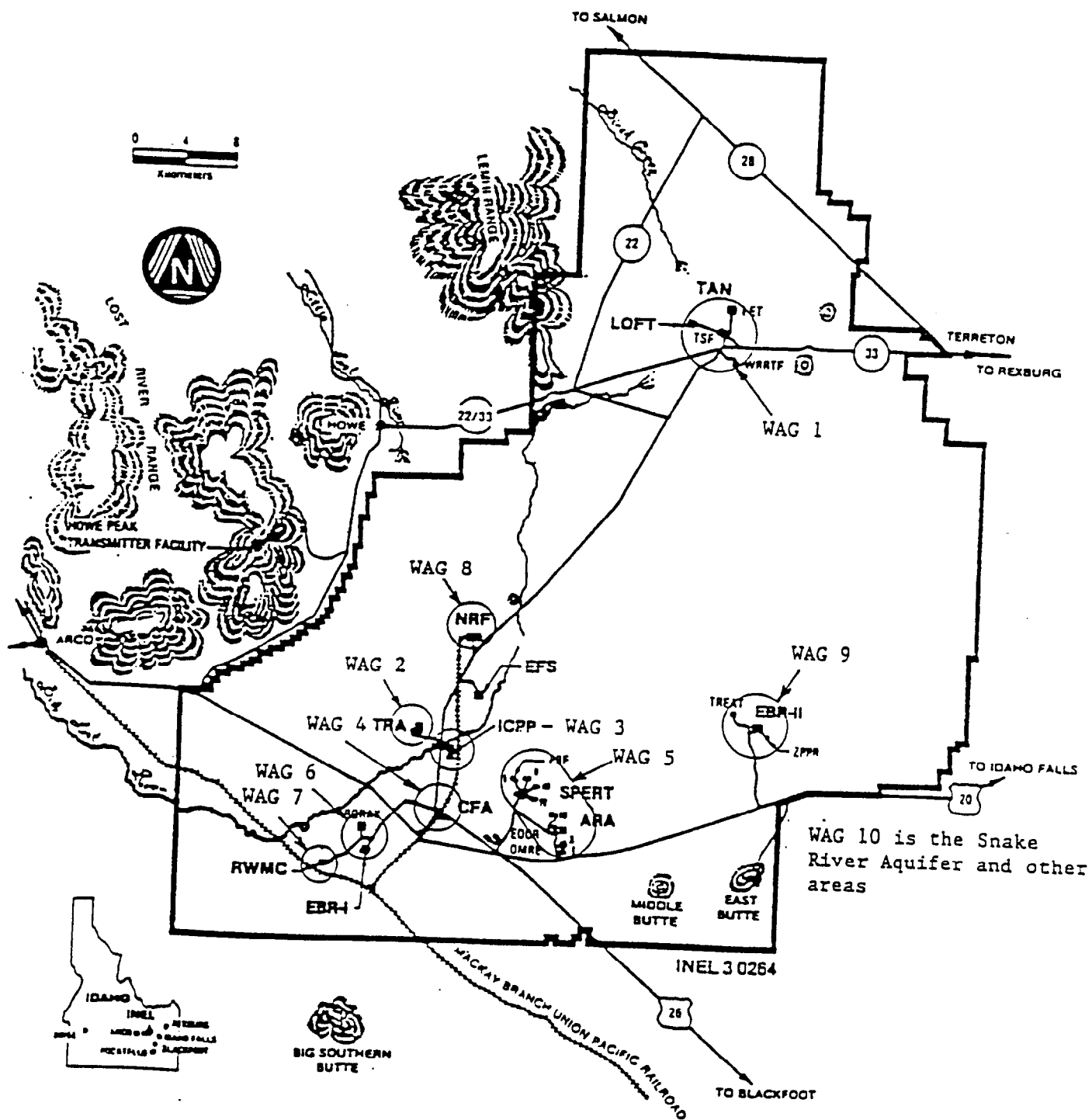


Figure 3.1 WAG locations at the INEL.

### 3.1 WAG 1

WAG 1 is Test Area North (TAN) of the INEL. TAN compasses several subareas:

- Technical Support Facility (TSF)
- Initial Engine Test (IET) Facility
- Loss of Fluid Test (LOFT) Facility
- Specific Manufacturing Capabilities (SMC) Facility and
- Water Reactor Research Test Facility (WRRTF)

In general, TSF consists of facilities for handling, storage, examination, and research and development of spent nuclear fuel. The Process Experimental Pilot Plant (PREPP), a facility originally built to determine the capabilities of processing transuranic waste destined for WIPP, is also located here. Potential release sites addressed under this Agreement include tanks, spills, disposal sites, and wastewater disposal systems (e.g., sumps, tanks, injection well, ponds, and lagoons).

The IET is an abandoned facility north of TSF that has numerous historical uses. IET was designed as a testing location for the nuclear jet engines developed under the Aircraft Nuclear Propulsion (ANP) Program in the 1950s and early 1960s. The few IET sites being investigated under this Agreement are tanks still in place, an old injection well, and rubble disposal sites.

LOFT and SMC are contiguous facilities west of TSF that consist of structures built for those two operations and old buildings from the ANP Program. LOFT is a facility constructed for nuclear reactor tests that has been decommissioned. SMC is an active facility manufacturing components for a U.S. Department of Defense (DOD) non-nuclear weapons system. The sites being investigated include pits, tanks, a wastewater disposal pond, and two small historic spill sites.

WRRTF primarily consists of two buildings southeast of TSF that have housed several non-nuclear tests, mostly for simulating and testing water systems used in reactors. The WRRTF sites being investigated include tanks, wastewater ponds, an injection well, a burn pit, and a sewage lagoon.

The boundary of the TAN WAG includes the TSF, IET, LOFT, SMC, and WRRTF fenced areas. It also includes the immediate areas outside of the fences where operations associated with these areas may have taken place. The WAG includes all surface and subsurface areas.

### 3.2 WAG 2

WAG 2 is the Test Reactor Area (TRA) that houses extensive facilities for studying the effects of radiation on materials, fuels, and equipment. The Advanced Test Reactor (ATR) is currently the only large operational reactor within TRA and is designed to produce a neutron flux that allows simulation of long-duration radiation effects on materials and fuels. It produces isotopes used in medicine, research, and industry.

TRA sites being investigated under the Agreement include pits, tanks, rubble piles, ponds, cooling towers, wells, french drains, and spills. One of the higher priority sites within TRA is a percolation pond that has been used for the disposal of radioactively contaminated wastewater.

The boundary of WAG 2 includes the area within the TRA fence and the areas immediately outside the fence where waste operations have taken place. The WAG includes all surface and subsurface areas.

### 3.3 WAG 3

WAG 3 is the Idaho Chemical Processing Plant (ICPP) that houses reprocessing facilities for Government defense and research spent fuel. Facilities at ICPP include spent fuel storage and reprocessing areas, a waste solidification facility and related waste storage bins, remote analytical laboratories, and a coal-fired steam generating plant.

ICPP sites investigated under the Agreement include facilities associated with wastewater disposal systems (e.g., sumps, ponds, and an injection well), spills, and tank farm storage of hazardous substances.

The boundary of WAG 3 includes the area within the ICPP fence and those immediately adjacent areas where waste activities have taken place; it includes all surface and subsurface areas.

### 3.4 WAG 4

WAG 4 is the Central Facilities Area (CFA) where services for the entire site are headquartered. These services include environmental laboratories, security, fire protection, medical facilities, communications systems, warehouses, a cafeteria, vehicle and equipment pools, bus system, and laundry. The U.S. DOE Radiological and Environmental Sciences Laboratory and U.S. Geological Survey offices are also located here.

CFA sites investigated under the Agreement include historical spills, tanks, landfills, ponds, leach fields, and leach pits.

The boundary of WAG 4 is loosely defined as CFA does not have an enclosing fence. However, many CFA sites investigated under the Agreement are adjacent to buildings (e.g., tanks and dry wells). Others, including landfills and a gravel pit adjacent to one of the landfills, are located on the outskirts of CFA. The WAG includes all surface and subsurface areas.

### 3.5 WAG 5

WAG 5 consists of the Power Burst Facility (PBF) and Auxiliary Reactor Area (ARA). PBF is located in an area originally constructed for the Special Power Excursion Reactor Tests (SPERT). Four SPERT reactors were built beginning in the late 1950s in a radial array around what is now the PBF control/personnel building complex. All of the SPERT reactors were removed and the SPERT facilities have undergone partial or complete decontamination and decommissioning (D&D). The PBF reactor is still operational but is in a standby mode. The ARA consists of four separate groupings of buildings in which

various activities have occurred, including the operation of test reactors. All of the ARA reactors were removed from the facility and have undergone partial or complete D&D.

PBF/ARA sites investigated under the Agreement include tanks and components of wastewater disposal systems (e.g., evaporation ponds, percolation ponds, leach fields, pits, and dry wells).

The boundary of WAG 5 encompasses the facility locations presently or historically used within the PBF and ARA areas and those immediately adjacent areas where waste activities may have taken place. The WAG includes all surface and subsurface areas.

### 3.6 WAG 6

WAG 6 consists of the Experimental Breeder Reactor No. I (EBR-I) and Boiling Water Reactor Experiment (BORAX) areas. Both the EBR-I and BORAX areas were originally constructed to house test reactors and were decommissioned. EBR-I is now a National Historic Landmark, open to the public. Historically, the BORAX area housed five different reactors, but many of the facilities were dismantled or moved and no operations (other than monitoring) take place in the area.

EBR-I/BORAX sites investigated under the Agreement are primarily old tanks, but also include a small spill area and several liquid and solid waste disposal locations.

The boundary of WAG 6 is directly related to the EBR-I/BORAX facility locations and areas immediately adjacent to them; it includes all surface and subsurface areas.

### 3.7 WAG 7

WAG 7 is the Radioactive Waste Management Complex (RWMC) that was established in 1952 and is a controlled area for disposal of solid radioactive wastes generated in INEL operations. The Stored Waste Examination Pilot Plant (SWEPP) is also located at the RWMC and is used for certifying waste destined for shipment to WIPP.

The primary RWMC site being investigated under the Agreement is the Subsurface Disposal Area (SDA) within the RWMC. It includes numerous pits, trenches, and vaults where radioactive and organic wastes were placed as well as a large pad where waste was placed above grade and covered.

The Transuranic Storage Area (TSA) within the RWMC has been used since the early 1970s for retrievable storage of transuranic waste on earthen-covered pads and in facilities.

The boundary of WAG 7 is clearly defined as the RWMC fence, with the SDA as a fenced portion within the RWMC. It includes all surface and subsurface areas.

### 3.8 WAG 8

WAG 8 is the Naval Reactors Facility (NRF) where prototype reactors are operated for reactor plant development and in training of naval officers and enlisted personnel. NRF also supports research and devel-

opment efforts on reactor materials by preparation and examination of irradiation test specimens and by examination of expended fuel from naval reactors.

NRF sites investigated under the Agreement include landfills, old spills, wastewater disposal systems (e.g., ponds, ditches, basins, drains, and drain fields) and storage areas.

WAG 8 is primarily the developed area of the NRF site. However, it also includes waste operations that extended or extend outside the NRF developed area, such as the wastewater ditch. All of WAG 8 is within the overall 7-square mile NRF site and includes surface and subsurface areas.

### 3.9 WAG 9

WAG 9 is the Argonne National Laboratory – West (ANL–W) that is primarily devoted to the testing of breeder–reactor technology. It houses the Experimental Breeder Reactor II (EBR–II), the first pool–type liquid–metal reactor. In addition to EBR–II, the ANL–W complex has four other reactors and two fuel examination facilities.

ANL–W sites being investigated under the Agreement include tanks and wastewater handling/disposal systems such as ditches, ponds, pits, drains, etc.

The boundary of WAG 9 is basically the ANL–W fence; however, operations that extended or extend outside of the fence, such as the wastewater ditch, are included. WAG 9 includes all surface and subsurface areas described above.

### 3.10 WAG 10

WAG 10 includes miscellaneous surface sites and liquid disposal areas throughout the INEL that are not included within other WAGs. WAG 10 also includes regional Snake River Plain Aquifer concerns related to INEL that cannot be addressed on a WAG–specific basis. Specific sites currently recognized as part of WAG 10 include:

- Liquid Corrosive Chemical Disposal Area (LCCDA) located between WAGs 6 and 7
- Organic Moderated Reactor Experiment located between WAGs 4 and 5
- Former ordnance areas, including the Naval Ordnance Disposal Area (NODA) located at numerous sites within the INEL

The boundary of WAG 10 is the INEL boundary, or beyond as necessary to encompass real or potential impact from INEL activities, and any areas within the INEL not covered by other WAGs.

### 3.11 Drinking Water Actions

U.S. DOE presently monitors drinking–water wells in and around the INEL in accordance with applicable Federal and State regulations. U.S. DOE will routinely make available the resulting data to Project Managers.



In addition, within 90 days of the effective date of the Agreement, U.S. DOE will provide to the Project Managers historical monitoring data for INEL drinking-water systems for which there are potential impacts to drinking-water quality from hazardous substances released at the INEL. The Project Managers will review the data and, at their earliest opportunity, identify and agree upon additional monitoring requirements for these systems.

In cases where drinking-water monitoring results exceed promulgated standards, the Project Managers will determine if an alternate source of water is needed and U.S. DOE will provide an alternate source of water for the affected system(s) as agreed upon under this activity. Any additional actions agreed upon (i.e., interim actions) would be carried out under other applicable provisions of the Agreement and Action Plan.

## **4.0 PROJECT MANAGEMENT**

The purpose of this section is to identify and describe key project management activities and responsibilities that are important in carrying out the terms of the Agreement and Action Plan.

### **4.1 Project Manager Roles and Responsibilities**

As provided in Part VII of the Agreement, each Party to the Agreement is represented by a Project Manager (see Appendix D). The Project Manager shall:

- Manage INEL remedial activities for their respective agencies pursuant to the Agreement and Action Plan
- Serve as primary contacts and coordinators for their respective agencies for purposes of implementing the Agreement and Action Plan
- Prioritize work
- Coordinate activities of WAG Managers (WMs), who are identified by the Project Managers, as necessary
- Approve and sign No Further Action Determinations
- Evaluate and approve changes to OUs based on investigation findings, and
- Prepare monthly progress reports

The roles and responsibilities of the WMs are:

- Manage remedial activities under the Action Plan at an assigned WAG(s) under the direction of respective Project Manager
- Serve as agency contact for the Project Manager for assigned WAG(s)
- Participate in project management meetings as requested by respective Project Managers

### **4.2 Lead Agency Concept**

Although U.S. DOE is the lead agency with respect to implementation of the Agreement, the Parties have agreed to a lead agency approach to minimize duplication of effort and maximize oversight productivity. The lead agency for a specific WAG is responsible for overseeing and coordinating the activities conducted under this Agreement.

The agency that is not the lead agency is designated as the support agency. The support agency will also provide comments to U.S. DOE and will lend support to the lead agency as resource permit.

Designation of lead agency is a joint determination by U.S. EPA and IDHW. The decision on lead designation is based primarily on the resources available to undertake lead responsibilities at that WAG. At the

time of execution of this Agreement, IDHW is the lead agency at WAG 7 (RWMC) and U.S. EPA is the lead agency at all other WAGs.

#### 4.3 Project Managers' Meeting

Project Managers' meetings are held as described in Part 8.9 of the Agreement or more frequently as needed. These meetings are used to conduct the business necessary to implement the Action Plan. Any agreements or commitments resulting from Project Managers' meetings are to be signed by all Project Managers as soon as possible after the meeting.

#### 4.4 Recommended Training and Qualifications

To effectively and efficiently implement this Action Plan, appropriate training and qualifications for all Parties' Project Managers and WMs are necessary. While the following list of training and qualifications is not required or subject to review and approval by any Party, it is recommended that all Project Managers and WMs have expertise or obtain training on a timely basis in the following subject areas:

- Agreement and Action Plan
- Project management
- CERCLA, NCP, RCRA, NEPA, HWMA, and the Atomic Energy Act (AEA) as they pertain to this Agreement and Action Plan
- Remedial action process
- Available remedial action technologies
- OSHA Hazardous Waste Operations, per 29 CFR 1910.120
- Basic radiation protection
- Risk assessment
- Public participation

## 5.0 DATA QUALITY OBJECTIVES AND RISK ASSESSMENT

The collection and use of appropriate quantities and quality of data to make remedial action decisions are a major consideration in conducting CERCLA investigations. Existing data are used whenever they meet the Data Quality Objectives (DQOs) for the decision being made, or can be validated with minimal additional supporting data of higher quality. DQOs are defined as qualitative and quantitative statements that specify the quality of data required to support decisions during the remedial response process. Because decisions under CERCLA are risk- or health-based, DQOs should be developed under the framework of a conceptual site model relating contaminant release to potential exposure routes, contaminant toxicity, and receptors.

The development of DQOs and risk assessment procedures for the RI/FS process at INEL will follow the guidance found in CERCLA and the NCP, as well as in U.S. EPA guidance documents. Reasonable future-use scenarios will be developed for evaluation purposes in accordance with the latest CERCLA risk assessment guidance. DQOs and risk assessment for the Preliminary Scoping Track 2 defined in this Action Plan require more detailed discussion because they are not specifically covered in the U.S. EPA guidance documents.

For a Track 2, the following DQO/risk assessment process is applied:

- Develop a statement of the problem at the OU.
- Identify the possible outcomes of the Track 2 (No Further Action, interim action, RI/FS scoping).
- Determine the level of acceptable risk for the OU. This is defined in the NCP as in the range of  $10^{-4}$  to  $10^{-6}$  for individual lifetime cancer risk. For non-carcinogens, a hazard index of less than 1 represents acceptable risk.
- Develop a conceptual model of the OU that identifies probable exposure pathways.
- Evaluate attenuation/dilution effects expected between the source and postulated receptor.
- Develop rough estimates on risk drivers by evaluating the concentration and toxicity ( $C_i T_i$ ) for hazardous substances present (where  $T_i$  = slope factor or the inverse of the reference dose  $[1/RfD]$ ).
- Determine the approximate concentration of the major contaminants that, if present, would pose unacceptable risk for a pathway. This requires assumptions regarding the population at risk and their activities, leading to an assumed exposure scenario. Based on the level of acceptable risk, the exposure scenario, attenuation/dilution effects, and the toxicity of the contaminant, a concentration of the contaminant at the source is calculated for carcinogens and separately for non-carcinogens.

$$\text{If risk (R) for a given pathway is } R = \sum_0^i C_{ir} T_i \quad (1)$$

where  $C_{ir}$  = concentration at the receptor, and  $C_{ir} = C_i A_i$ ,

where  $A_i$  reflects the multiple factors that affect the change in concentration from the source to the receptor,

$$\text{then } C_{i(\text{calc})} = \frac{R}{T_i A_i} \quad (2)$$

- Design the sampling program to include special emphasis on the calculated concentrations of contaminants ( $C_{i(\text{calc})}$ ).
- Based on the concentrations of the contaminants determined as a result of the sampling program, estimate the total risk for major contaminants over the significant pathway(s). This is calculated separately for carcinogens and non-carcinogens.

$$\text{Risk (R}_t\text{)} = \sum_{P_0}^{P_n} \sum_0^i C_{ir} T_i \quad (3)$$

where  $P_0$  to  $P_n$  are the pathways and

$R_t$  = total risk posed by the OU

- If the risk estimate of the assumed exposure scenario is less than the level of acceptable risk for the OU, no further action is required.

This discussion of DQOs for the Track 2 process will be expanded and presented in a supplemental document that, with the approval of the Project Managers, will be applied as site-wide generic guidance. This supplemental document, "Guidance for Assessing Low Probability Hazard Sites at the INEL," should be issued by September 1991.

The development of DQOs is different for the Preliminary Scoping Track 1 or the Interim Action Planning Process because neither of these tracks requires data collection. For these two tracks, DQOs should address the criteria for the acceptance of existing data for the decision to be made, which may include validation through additional supporting data of higher quality. The risk assessment process for Track 1 will be informal and will qualitatively assess potential exposure routes, pathways for contaminant migration, toxicity of known or suspected contaminants, and receptor populations. The risk assessment for an interim action or a Track 2 will also be qualitative.

At the conclusion of an interim action for which No Further Response action is anticipated, data of sufficient quality will be collected to support a quantitative risk assessment. DQOs will be established for this activity according to the U.S. EPA guidance. The risk assessment will be completed prior to entering the final decision process for the WAG. The purpose of the risk assessment is to show that the interim action resulted in acceptable risk levels at the site.

As with DQOs, risk assessment guidance for the INEL will be expanded and presented in a supplemental document.

**Appendix A**

**Enforceable Deadlines,**

**Operable Units and CERCLA Process Tracks,**

**and Schedule**

TABLE A.1. INEL ENFORCEABLE DEADLINES

<u>WAG</u>	<u>ACTIVITY</u>	<u>OPERABLE UNIT</u>	<u>ENFORCEABLE DEADLINE*</u>	<u>DATE*</u>
WAG 01 TAN	Injection Well/ Drinking Water Interim Action	1-07A	Draft ROD Submitted for Review	Jun-1992
	Injection Well/ Drinking Water RI/FS	1-07B	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Aug-1991 Jan-1992 Sep-1993 Jul-1994
	WAG 01 Comprehensive RI/FS	1-10	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Jul-1995 Dec-1995 Aug-1997 Jun-1998
WAG 02 TRA	Perched Water RI/FS	2-12	Draft SOW Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Apr-1991 Nov-1992* Sep-1993*
	Warm Waste Pond Interim Action	2-10	Draft ROD Submitted for Review	Nov-1991
	WAG 02 Comprehensive RI/FS	2-13	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Jul-1996 Dec-1996 Aug-1998 Jun-1999
WAG 03	WAG 03 Comprehensive RI/FS	3-13	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Aug-1995 Jan-1996 Sep-1997 Jul-1998
WAG 04 CFA	Motor Pool Pond RI/FS	4-11	Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Dec-1991 Oct-1992
	Landfills RI/FS	4-12	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Aug-1992 Jan-1993 Sep-1994 Jul-1995
	WAG 04 Comprehensive RI/FS	4-13	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Aug-1996 Jan-1997 Sep-1998 Jul-1999
WAG 05 PBF/ARA	Chemical Pond RI/FS	5-10	Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Dec-1991 Oct-1992
	PBF Evaporation Pond Interim Action	5-13	Draft ROD Submitted for Review	Jun-1992
	WAG 05 Comprehensive RI/FS	5-12	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Sep-1996 Feb-1997 Oct-1998 Aug-1999



TABLE A.1 (continued). INEL ENFORCEABLE DEADLINES

<u>WAG</u>	<u>ACTIVITY</u>	<u>OPERABLE UNIT</u>	<u>ENFORCEABLE DEADLINE*</u>	<u>Date*</u>
WAG 06/10 EBR I/BORAX AND MISC. SITES	WAG 6/10 Comprehensive RI/FS	10-04 (inc. 6-05)	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Jun-1998 Nov-1998 Jul-2000 May-2001
	Ordinance Interim Action	10-05 (inc. 4-01)	Draft ROD Submitted for Review	Apr-1992
WAG 07 RWMC	Pit 9 Interim Action	7-10	Draft ROD Submitted for Review	Jun-1992
	Pad A RI/FS	7-12	Draft SOW Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	May-1991 Dec-1992 <sup>c</sup> Oct-1993 <sup>c</sup>
	Vadose Zone Organics RI/FS	7-08	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Aug-1991 Jan-1992 Sep-1993 Jul-1994
	TRU Pits and Trenches RI/FS	7-13	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Aug-1995 Jan-1996 Sep-1997 Jul-1998
	WAG 07 Comprehensive RI/FS	7-14	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Jul-1996 Dec-1996 Aug-1998 Jun-1999
WAG 08 NRF	Ditch RI/FS	8-07	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Nov-1991 Apr-1992 Dec-1993 Oct-1994
	WAG 08 Comprehensive RI/FS	8-08	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Sep-1995 Feb-1996 Oct-1997 Aug-1998
WAG 09 ANL-W	WAG 09 Comprehensive RI/FS	9-04	Draft SOW Submitted for Review Draft Work Plan Submitted for Review Draft RI/FS Submitted for Review Draft ROD Submitted for Review	Jul-1996 Dec-1996 Aug-1998 Jun-1999

\* Post-ROD deadlines will be identified as required by Part 12.2 of the Agreement.  
Table A.1 will be updated as appropriate throughout the life of the Action Plan to reflect new post-ROD deadlines.

\* These schedules may be significantly reduced pending development of the SOW and evaluation of existing data.

\* Based on SOWs submitted, these dates may be reduced by up to one year.

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action Track 2	RI/FS	Sites Within Operable Unit	Site Code
None	X				WAG 1: TEST AREA NORTH (TAN) -----	
					IET Burial Pit NE of IET	IET-02
					IET Septic Tank (TAN-710) and Filter Bed	IET-08
					LOFT Injection Well (TAN-733)	LOFT-04
					LOFT Septic Tank & Drainfield (TAN-762)	LOFT-09
					LOFT Dry Well (TAN-333)	LOFT-13
					SHC Septic Tank and Drain Field (TAN-629)	SHC-01
					TSF Brine Pit N of TAN-608	TSF-16
					TSF Septic Tank E of TAN-602	TSF-30
					WRR1F Septic Tank & Sandfilters (TAN-737)	WRR1F-07
1-01			X		LOFT Asbestos Piping	-
					LOFT Buried Asbestos Pit	-
					TSF Transite (Asbestos) Contamination (Near TSF Gravel Pit)	-
					TAN-607-A Room 161 Contaminated Pipe	-
					RPPSA Buildings 647/648 and Pads	-
					IET Foam Stabilizer Tank (TAN-317)	IET-05
					IET Injection Well (TAN-332)	IET-06
					LOFT Rubble Pit S of LOFT Disposal Pond	LOFT-03
					LOFT Foam Solution Tank (TAN-119)	LOFT-07
					LOFT Cryogen Pits (3) E of TAN-629	LOFT-11
					TSF Diesel Tank (3000 gal.) W. of TAN-607 & Fuel Spill	TSF-01
					TSF Gravel Pit/Acid Pit	TSF-04
					TSF Three Clarifier Pits E of TAN-604	TSF-11
1-02			X		IET Gasoline Storage Tank (TAN-318)	IET-01
					IET Lube Oil Tank (TAN-316)	IET-09
					LOFT Two Fuel Tanks (2) TAN-109 A & B	LOFT-05
					LOFT Slop Tank E of TAN-631	LOFT-06
					LOFT Tank in Borrow Pits (TAN-110)	LOFT-08
					TSF Gasoline Tank N of TAN-610	TSF-13
					TSF Fuel Oil Tank NW of TAN-603	TSF-14
					TSF Fuel Oil Tank W of TAN-603	TSF-15

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No. Action	Prelim. Scoping Track 1	Interim Action Track 2	R1/F5	Sites Within Operable Unit	Site Code
1-03	X				WAG 1 (continued)	
					TSF Oil Sumps (TAN-609)	TSF-24
					TSF Fuel Tank Under SW Corner of TAN-607	TSF-25
					TSF Oil Tank S of TAN-601 (Between Gatehouse & Substation)	TSF-32
					TSF I-11 Fuel Tank E of TAN-602	TSF-33
					WRRTF Diesel Fuel Tank (TAN-103)	WRRTF-09
					WRRTF Gasoline Tank (TAN-644)	WRRTF-10
					TSF Bottle Site	
					TSF Service Station Spill (TAN-664)	TSF-02
					TSF Burn Pit	TSF-03
1-04	X				WRRTF Burn Pit	WRRTF-01
					LOFT Disposal Pond (TAN-750)	LOFT-02
					TSF Acid Neutralization Sump N of TAN-602	TSF-12
					TSF Two Neutralization Pits N of TAN-649	TSF-17
					TSF Cautics Tank V-4 S of TAN-616	TSF-19
					TSF Two Neutralization Pits N of TAN-607	TSF-20
					TSF Acid Pond (TAN-735)	TSF-29
					TSF Acid Pit W of TAN-647	TSF-31
					IET Stack Rubble Site	IET-04
					IET Hot Waste Tank (TAN-319)	IET-07
1-05	X				TSF TAN/TSF-1 Area (Soil Area)	TSF-06
					TSF Intermediate-Level (Radioactive) Waste Disposal System	TSF-09
					TSF Drainage Pond (TAN 782)	TSF-10
					TSF Contaminated Tank SE of Tank V-3	TSF-18
					TSF IET Valve Pit	TSF-21
					TSF PH-2A Tanks (TAN-710 A&B)	TSF-26
					WRRTF Radioactive Liquid Waste Tank (TAN-735)	WRRTF-04

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action Track 2	RI/FS	Sites Within Operable Unit	Site Code
1-06			X		WAG 1 (continued)	
					LOFT Diesel Fuel Spills (TAN-629)	LOFT-01*
					LOFT Sulfuric Acid Spill (TAN-771)	LOFT-10*
					TSF Disposal Pond	TSF-07*
					TSF HIRE III Mercury Spill Area	TSF-08*
1-07A				X	TSF Injection Well	TSF-05
					TSF Drinking Water Potential Contamination	TSF-23
1-07B				X		
					TSF Injection Well	TSF-05
					TSF Drinking Water Potential Contamination	TSF-23
1-08				X		
					TSF Railroad Turntable	TSF-22
					TSF Sewage Treatment Plant (TAN-623) and Sludge Dry Beds	TSF-28
					WRRIF Injection Well (TAN-331)	WRRIF-05
1-09				X		
					TSF Contaminated Well Water Spill	-
					TAN-603 French Drain	-
					WRRIF Two-Phase Pond (TAN-763)	WRRIF-02
					WRRIF Evaporation Pond (TAN-762)	WRRIF-03
					WRRIF Sewage Lagoon	WRRIF-06
1-10				X		
					WAG 1 Comprehensive RI/FS, including: TSF Paint Shop Floor Drain Leach Field (W of TAN-636)	TSF-27**

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Scoping Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
None	X					WAG 2: TEST REACTOR AREA (TRA)	
						TRA MIR Construction Excavation Pile	TRA-10
						TRA ETR Excavation Site Rubble Pile	TRA-23
						TRA Guardhouse Construction Rubble Pile	TRA-24
						TRA Sewer Plant Settling Pond Rubble Pile	TRA-25
						TRA Rubble Site by USGS Observation Well	TRA-26
						TRA North Storage Area Rubble Pile	TRA-27
						TRA North (landfill) Rubble Site	TRA-28
						TRA ATR Construction Rubble	TRA-29
						TRA West Road Rubble Pile	TRA-32
						TRA West Staging Area/Drainage Ditch Rubble Site	TRA-33
2-01	X					TRA Paint Shop Ditch (TRA-606)	TRA-02*
2-02	X					TRA Inactive Gasoline Tank at TRA-605	TRA-14
						TRA Inactive Gasoline Tank at TRA-616	TRA-17
						TRA Inactive Gasoline Tank at TRA-619	TRA-18
						TRA Inactive Tank, North Side of MTR-643	TRA-21
						TRA Inactive Diesel Fuel Tank at ETR-648	TRA-22
2-03	X					TRA-614 Oil Storage North	
						TRA Acid Spill Disposal Pit (TRA-608)	TRA-01
						TRA French Drain at TRA-645	TRA-11
						TRA Fuel Oil Tank Spill (TRA-7278)	TRA-12
						TRA Brine Tank (TRA-731) at TRA-631	TRA-20
						TRA Tunnel French Drain (TRA-731)	TRA-40

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Action Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
2-04			X			WAG 2 (continued)  TRA PCB Spill at TRA-619 TRA PCB Spill at TRA-626 TRA-627 #5 Oil Spill TRA PCB Spill at TRA-653 TRA-670 Petroleum Product Spill TRA PW13 Diesel Fuel Contamination TRA Spills at TRA Loading Dock (TRA-722) TRA North Storage Area	- - - - - - TRA-09 TRA-34
2-05				X		TRA-603/605 Tank TRA Hot Waste Tanks #2, #3, #4 at TRA-613 TRA Inactive Radioactive Contaminated Tank at TRA-614 TRA Rad Tanks 1 and 4 at TRA-630. Replaced by Tanks 1, 2, 3, & 4	TRA-15 TRA-16 TRA-19
2-06				X		TRA Beta Building Rubble Site TRA West Rubble Site TRA Rubble Site E of West Road Near Beta Bldg Rubble Pile	TRA-30 TRA-31 TRA-35
2-07					X	TRA-653 Chromium-Contaminated Soil TRA ETR Cooling Tower Basin (TRA-751) TRA ATR Cooling Tower (TRA-771) TRA MTR Cooling Tower N of TRA-607	- TRA-36 TRA-38 TRA-39
2-08					X	TRA MTR Canal in Basement of TRA-603	TRA-37

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
WAG 2 (continued)						
2-09		X			TRA Sewage Treatment Plant (TRA-624) & Sludge Pit (TRA-732) TRA Cold Waste Disposal Pond (TRA-702) TRA Final Sewage Leach Ponds (2) by TRA-732	TRA-07 TRA-08 TRA-13
2-10			X		TRA Warm-Waste Pond (Sediments)	TRA-03B
2-11		X			TRA Warm-Waste Leach Pond (TRA-758) TRA Warm-Waste Retention Basin (TRA-712) TRA Waste Disposal Well, Sampling Pit (764) and Suap (703)	TRA-03A TRA-04 TRA-05
2-12				X	Perched Water RI/FS	-
2-13				X	WAG 2 Comprehensive RI/FS, Including: TRA Chemical Waste Pond (TRA-701)	TRA-06**

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Action Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
None	X					WAG 3: CHEMICAL PROCESSING PLANT (CPP)	
						Grease Pit South of CPP-637	CPP-43
						Pickling Shed East of CPP-631	CPP-52
						Septic Tank East of CPP-655	CPP-70
						Seepage Pits West of CPP-656	CPP-71
						CPP-758 Cesspool East of CPP-651	CPP-72
						Leaching Cesspool East of CPP-T-5	CPP-73
						Seepage Pit West of CPP-626	CPP-74
						Septic Tank and West of CPP-603	CPP-75
						Septic Tank and West of CPP-659	CPP-76
						Seepage Pit and Cesspool North of CPP-662	CPP-77
3-01					X	PCB Transformer Yard (CPP-705)	CPP-49
						PCB Transformer Yard (CPP-731)	CPP-50
						PCB Staging Area West of CPP-660	CPP-51
						PCB Spill In CPP-718 Transformer Yard	CPP-61
3-02					X	Soil Contamination NW of CPP-642	CPP-07
						Contaminated Paint Chips and Pad S of CPP-603	CPP-12
						Gas Storage Building, Now Location of CPP-668	CPP-18
						Solid Waste Storage Bin South of CPP-601	CPP-21
						CPP Injection Well (WAB-FE-304)	CPP-23*
						CPP Gravel Pits #1 and #2	CPP-37*
						Fire Training Pits Between CPP-602 and CPP-603	CPP-41
						Paint and Paint Solvent Area South of CPP-697	CPP-53
						Drum Storage Area West of CPP-660	CPP-54
						Mercury Contaminated Area South of CPP-T-15	CPP-55*
						Sulfuric Acid Spills East of CPP-606	CPP-57
						Kerosene Tank Overflow West of CPP-633	CPP-59*
						Paint Shop at Present Location of CPP-645	CPP-60
						Mercury Contaminated Area Near CPP-18-4	CPP-62
						Hexone Spill by CPP-710	CPP-63*



TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action Track 2	RI/FS	Sites Within Operable Unit	Site Code
					WAG 3 (continued)	
					Hexone Spill West of CPP-660	CPP-64*
					CPP Sewage Treatment Plant Lagoons	CPP-65
					CPP CFSGP Fly Ash Pit	CPP-66
					Abandoned Gasoline Tank CPP VES-UTI-652	CPP-68
3-03		X			CPP Percolation Ponds #1 and #2	CPP-67
3-04		X			Friable Transite on CPP-601, 602, 603, 604, 605, 640, 644, and 648	CPP-38
3-05			X		Sewage Treatment Plant South of CPP-664	CPP-14
3-06		X			Contaminated Soil in the Tank Farm Area Near ML-102, NE of CPP-604 Soil Storage Area in the NE Corner of the CPP Lime Pit at the Base of the CPP-601 Berm and French Drain Pilot Plant Storage Area West of CPP-620	CPP-33* CPP-34* CPP-40* CPP-47*
3-07			X		Well 55-06 (Strontium Contamination in Perched Water) Contaminated Soil from Leak in Line from CPP WM-181 to PEW CPP-604 Radioactive Waste Unloading Area CPP Contaminated Soil in the Tank Farm Area (CPP-24, 25, 26, 28, 30, 31&32) Contaminated Soil in Tank Farm Area North of CPP-604 Contaminated Soil in Tank Farm Area from Steam Flushing Operation Contaminated Soil in Tank Farm Area South of WM-181 by Valve Box A-6 Contaminated Soil in Tank Farm Area Near Valve Box B-9 Contaminated Soil in Tank Farm Area South of Tank WM-183 Contaminated soil in Tank Farm area SW and NW of Valve Box B-4 Tank Farm Release Near Valve Box A-2	- CPP-16 CPP-20 CPP-24 CPP-25 CPP-26 CPP-28 CPP-30 CPP-31 CPP-32 CPP-79

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Scoping Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
3-08				X		WAG 3 (continued)	
						Pressurization of the Solid Storage Cyclone NE of CPP-633	CPP-13
						Solvent Burner East of CPP-605	CPP-15
						Contaminated Soil in the Tank Farm Area East of CPP-604	CPP-27
						Contaminated Soil North and West of the Main Stack (CPP-708)	CPP-29
						CPP-633 Decontamination Spill	CPP-35
						Transfer Line Leak from CPP-633 to ML-102	CPP-36
3-09				X			
						Concrete Settling Basin, Vault, and Dry Wells E of CPP-603	CPP-01
						French Drain W of CPP-603	CPP-02
						Temporary Storage Area SE of CPP-603	CPP-03
						Contaminated Soil Around CPP-603 Settling Tank	CPP-04
						Contaminated Soil Around CPP-603 Settling Basin	CPP-05
						Trench E of CPP-603 Fuel Storage Basin	CPP-06
						CPP-603 Basin Filter System Line Failure	CPP-08
						Soil Contamination Near the NE Corner of CPP-603 S Basin	CPP-09
						CPP-603 Plastic Pipeline Break	CPP-10
						CPP-603 Sludge and Water Release	CPP-11
						Soil Storage Area South of CPP Peach Bottom Fuel Storage Area	CPP-17
						CPP-603 to CPP-604 Line Leak	CPP-19
						Particulate Air Release South of CPP-603	CPP-22
						Abandoned Liquid Radioactive Waste Storage Tank CPP VES-SFE-20	CPP-69
						Contaminated Soil W of CPP-693, E of Dry Fuel Storage Area	CPP-78
3-10				X			
						Drainage Ditch West of CPP-637	CPP-42
						Grease Pit South of CPP-608	CPP-44
						CPP-637 Courtyard Pilot Plant Release	CPP-46
						Nitric Acid Contamination South of CPP-734	CPP-56
3-11				X			
						CPP-621 Chemical Storage Area Spills	CPP-45
						CPP PEV Evaporator Overhead Pipeline Spills	CPP-58

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Scoping Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
WAG 3 (continued)							
3-12		X				CPP-601 Vent Tunnel Drain Leak (VT-300) Abandoned CPP-637/CPP-601 VOG Line Abandoned Line 1.5 in. - PLA - 776 West of Beech Street	CPP-80 CPP-81 CPP-82
3-13					X	WAG 3 Comprehensive RI/FS, including: CPP HF Storage Tank (YDB-105) and Dry Well French Drain South of CPP-633	CPP-39** CPP-48**

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Scoping Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
4-01				X		<p>WAG 4: CENTRAL FACILITIES AREA (CFA)</p> <p>-----</p> <p>CFA Central Gravel Pit</p> <p>CFA French Drain (containing 5-in. shell) N of CFA-633</p> <p>(Note: This interim action OU is being performed under OU 10-05)</p>	CFA-09 CFA-11
4-02				X		<p>CFA Dry Well (South of CFA-640)</p> <p>CFA Two Dry Wells (CFA-665)</p> <p>CFA Dry Well (CFA-674)</p> <p>CFA Dry Well (South of CFA-682 Pumphouse)</p>	CFA-13 CFA-14 CFA-15 CFA-16
4-03				X		<p>CFA Fire Department Training Area, Oil Storage Tanks</p> <p>CFA Gasoline Tanks (2) East of CFA-606</p> <p>CFA Fuel Oil Tank at CFA-609 (CFA-732)</p> <p>CFA Fuel Tank at Nevada Circle 1 (South by CFA-629)</p> <p>CFA Fuel Oil Tank at CFA-640</p> <p>CFA Fuel Oil Tank at CFA-641</p> <p>CFA Fuel Tank at Nevada Circle 2 (South by CFA-629)</p> <p>CFA Fuel Oil Tank at CFA-656 (North side)</p> <p>CFA Fuel Oil Tank at CFA-669 (CFA-740)</p> <p>CFA Fuel Oil Tank at CFA-674 (West)</p> <p>CFA Waste Oil Tank at CFA-664, active</p> <p>CFA Waste Oil Tank at CFA-665, active</p> <p>CFA Waste Oil Tank at CFA-754, active</p> <p>CFA Fuel Tank at CFA-667 (North Side)</p> <p>CFA Fuel Tank at CFA-667 (South Side)</p> <p>CFA Diesel Tank at CFA-674 (South)</p> <p>CFA Sulfuric Acid Tank at CFA-674 (West side)</p> <p>CFA Gasoline Tank at CFA-680</p> <p>CFA Diesel Tank at CFA-681 (South side)</p> <p>CFA Fuel Oil Tank, CFA-683</p>	CFA-18 CFA-19 CFA-20 CFA-21 CFA-22 CFA-23 CFA-24 CFA-25 CFA-27 CFA-28 CFA-29 CFA-30 CFA-31 CFA-32 CFA-33 CFA-34 CFA-35 CFA-36 CFA-37 CFA-38

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
VAG 4 (continued)						
4-04		X			CFA "Drum Dock" (CFA-771) CFA Returnable Drum Storage - South of CFA-601 CFA Excess Drum Storage - South of CFA-674	CFA-39 CFA-40 CFA-41
4-05			X		CFA Pond (CFA-674) CFA Fire Department Training Area, bermed	CFA-04 CFA-17
4-06			X		CFA Spray Paint Booth Drain (CFA-654) CFA Lead Shop (outside areas) CFA Lead Storage Area	CFA-44 CFA-06 CFA-43
4-07		X			CFA French Drain E/S of (CFA-633) CFA French Drains (2) (CFA-690)	CFA-07* CFA-12*
4-08			X		CFA Sewage Plant (CFA-691), Septic Tank (CFA-716) and Drainfield	CFA-08
4-09			X		CFA Transformer Yard Oil Spills CFA 760 Pump Station Fuel Spill CFA Tank Farm Pump Station Spills	CFA-10 CFA-26 CFA-42
4-10			X		CFA Landfill I	CFA-01
4-11				X	CFA Motor Pool Pond	CFA-05*

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action Track 2	RI/FS	Sites Within Operable Unit	Site Code
4-12					WAG 4 (continued)	
				X		
					CFA Landfill II CFA Landfill III	CFA-02* CFA-03*
4-13				X	WAG 4 Comprehensive RI/FS	-

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Scoping Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
None	X					WAG 5: POWER BURST FACILITY (PBF)/AUXILIARY REACTOR AREA (ARA)	
						ARA-I Sewage Treatment Facility (ARA-737)	ARA-04
						ARA-II Seepage Pit to East (ARA-720A)	ARA-07
						ARA-II Seepage Pit to West (ARA-720B)	ARA-08
						ARA-II Septic Tank (ARA-738)	ARA-09
						ARA-II Septic Tank East (ARA-613)	ARA-10
						ARA-II Septic Tank West (ARA-606)	ARA-11
						ARA-III Septic Tank and Drainfield (ARA-739)	ARA-14
						ARA-IV Test Area Septic Tank and Leach Pit No. 2	ARA-21
						ARA-IV Control Area Septic Tank and Leach Pit No. 3 (ARA-617)	ARA-22
						PBF Control Area Septic Tank (PBF-724), Seepage Pit (PBF-735)	PBF-01
						PBF Control Area Septic Tanks (PBF-738,739), Seepage Pit (PBF-736)	PBF-02
						PBF Control Area Septic Tank for PBF-632 and Seepage Pits (PBF-745,748)	PBF-03
						PBF Reactor Area Septic Tank and Drainfield (PBF-728)	PBF-09
						PBF SPERT II Septic Tank and Seepage Pit (PBF-725)	PBF-17
						PBF SPERT IV Septic Tank and Leach Pit (PBF-727 and 757)	PBF-25
						PBF SPERT III Septic Tank (PBF-726) and Seepage Pit	PBF-27
5-01				X		ARA-I Evaporation Pond to NE (ARA-744)	ARA-05
						ARA-III Radionuclide Tank (ARA-735)	ARA-15
						ARA-I Radionuclide Tank (ARA-729)	ARA-16
						ARA-I Drain (ARA-626)	ARA-17
						ARA-III Radionuclide Tank (ARA-736)	ARA-18
						ARA-II Detention Tank for Fuel Oil/Radionuclides (ARA-719)	ARA-19
5-02				X		PBF SPERT I Leach Pond	PBF-12
						PBF SPERT III Large Leach Pond	PBF-21
						PBF SPERT IV SPERT Lake (adjacent to PBF-758)	PBF-26
5-03				X		PBF Cooling Tower Area and Drainage Ditch	
						PBF Reactor Area Blowdown Pit for Reactor Boiler by PBF-621	PBF-06

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No. Action	Prelim. Scoping Track 1	Interim Action Track 2	RI/FS	Sites Within Operable Unit	Site Code
WAG 5 (continued)						
5-04	X				PBF Reactor Area Oil Drum Storage (PER-T13)	PBF-07
					PBF Reactor Area Rubble Pit	PBF-13
					PBF SPERT IV Blowdown Pit (adjacent to PBF-716)	PBF-24
5-05	X				PBF Control Area Oil Tank at PBF-608 (substation) outside PBF fence	PBF-04
					PBF SPERT II Inactive Fuel Oil Tank (front of PBF-612)	PBF-14
					PBF SPERT III Inactive Fuel Oil Tank at PBF-609 (west side of WERF)	PBF-19
5-06	X				ARA-11 SL-1 Burial Ground	ARA-06
5-07	X				ARA-111 Radioactive Waste Leach Pond	ARA-12
					ARA-IV Test Area Contaminated Leach Pit No. 1	ARA-20
5-08	X				ARA-1 Sanitary Waste Leach Field and Seepage Pit (ARA-746)	ARA-02
					ARA-1 Pad Near ARA-627 (Lead sheeting)	ARA-03
5-09	X				PBF Reactor Area Warm Waste Injection Well (PBF-301)	PBF-05
					PBF SPERT I Seepage Pit (PBF-750)	PBF-11
					PBF Reactor Area Corrosive Waste Injection Well (PBF-302)	PBF-15
5-10	X				PBF SPERT II Leach Pond	PBF-16
					PBF SPERT III Small Leach Pond	PBF-20
					PBF SPERT IV Leach Pond (PBF-758)	PBF-22
ARA-1 Chemical/Evaporation Pond (ARA-745)						ARA-01*



TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
WAG 5 (continued)						
5-11		X			ARA-111 Sanitary Sewer Leach Field and Septic Tank (ARA-740)	ARA-13*
5-12				X	WAG 5 Comprehensive RI/FS, including: PBF Reactor Area Corrosive Waste Disposal Sump Brine Tank (PBF-731) PBF Reactor Area Evaporation Pond (PBF-733)	PBF-08* PBF-10*
5-13			X		PBF Reactor Area Corrosive Waste Disposal Sump Brine Tank (PBF-731) PBF Reactor Area Evaporation Pond (PBF-733)	PBF-08* PBF-10*

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Scoping Track 2	Interim Action	R1/FS	Sites Within Operable Unit	Site Code
None	X					WAG 6: EXPERIMENTAL BREEDER REACTOR NO. 1 (EBR-1)	
6-01		X				EBR-1 Septic Tank (AEF-702) and Seepage Pit (AEF-703) EBR-1 Seepage Pit (WMO-702) EBR-1 Septic Tank (WMO-701) EBR-1 Cesspool, Septic Tank (EBR-709) and Seepage Pit (EBR-713) EBR-1 Septic Tank (EBR-714) and Seepage Pit (EBR-716)	EBR-02 EBR-03 EBR-04 EBR-05 EBR-06
6-02		X				BORAX-1 Burial Site	BORAX-02
6-03		X				BORAX-II-V Leach Pond BORAX AEF Septic Tank (AEF-703) BORAX Trash Dump	BORAX-01 BORAX-03 BORAX-04
6-04		X				BORAX Fuel Oil Tank, SW of AEF-602 BORAX Inactive Fuel Oil Tank by AEF-601 EBR-1 (AEF-704) Fuel Oil Tank at AEF-603 (map says diesel) EBR-1 (WMO-703) Fuel Oil Tank, soon inactive EBR-1 (WMO-704) Fuel Oil Tank at WMO-601 EBR-1 (WMO-705) Gasoline Tank EBR-1 Fuel Oil Tank (EBR-706) EBR-1 Diesel Tank (EBR-707) EBR-1 Gasoline Tank (EBR-708) EBR-1 Gasoline Tank (EBR-717)	BORAX-05 BORAX-07 EBR-07 EBR-08 EBR-09 EBR-10 EBR-11 EBR-12 EBR-13 EBR-14
6-05					X	Radioactive Soil Contamination (EBR-1)	EBR-15
						WAG 6 Comprehensive RI/FS ***	

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
WAG 7: RADIOACTIVE WASTE MANAGEMENT COMPLEX (RWMC)						
7-01		X			SDA Soil Vaults	RWMC-04
7-02		X			SDA Acid Pit	RWMC-04
7-03	X				Non TRU Contaminated Wastes Pits and Trenches	RWMC-04
7-04		X			Air Pathway	
7-05		X			Surface-Water Pathways and Surficial Sediments	
7-06		X			Groundwater Pathway	
7-07		X			Vadose Zone (Rad/Metals)	
7-08				X	Vadose Zone Organics RI/FS	
7-09	X				TSA Releases	RWMC-05
7-10			X		Pit 9 Process Demonstration	RWMC-04

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Scoping Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
7-11			X			WAG 7 (continued)	
7-12					X	RUNC Drainage and Septic Tank for WMF-613 (new) RUNC-Septic Tank and Drainfield for WMF-601 and 604 RUNC Septic Tank and Drainfield for SUEPP	RUNC-01 RUNC-02 RUNC-03
7-13					X	Pad A RI/FS	RUNC-04
7-14					X	TRU Pits and Trenches RI/FS	RUNC-04
						WAG 7 Comprehensive RI/FS	

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Action	Interim	RI/FS	Sites Within Operable Unit	Site Code
WAG 8: NAVAL REACTORS FACILITY (NRF)							
None							
	X						
						Old Parking Lot Landfill (P-8)	34
						Old Radiography Area (P-13)	39
						Kerosene Spill (P-20)	46
						SlW Gravel Pit (P-31)	57
						Old Incinerator (P-34)	60
						Old Transformer Yard (P-40)	67
						SWMU Unit #4 - Top Soil Pit Area	NRF-04
						SWMU Unit #5 - West Landfill	NRF-05
						SWMU Unit #7 - East Landfill	NRF-07
						SWMU Unit #24 - Demineralizer and Neutralization Facility	NRF-24
						SWMU Unit #25 - Chemical Waste Storage Pad	NRF-25
						Gatehouse Transformer (P-4)	30
						Main Transformer Yard (P-1)	27
8-01					X		
						South Landfill (P-7)	33
						Lagoon Construction Rubble (P-14)	40
						East Rubble Area (P-15)	41
						AIW Construction Debris Area (P-37)	63
						SWMU Unit #3 - ECF Gravel Pit	NRF-03
						SWMU Unit #6 - SE Landfill	NRF-06
						SWMU Unit #8 - North Landfill	NRF-08
8-02					X		
						Old Painting Booth (P-11)	37
						ECF French Drain (P-12)	38
						Old Sewage Effluent Ponds (P-16)	42
						Site Lead Shack (NRF Building #614) (P-21)	47
						Old Lead Shack (P-26)	52
						Old Boilerhouse Blowdown Pit (P-28)	54
						Miscellaneous NRF Sumps and French Drains (P-29)	55
						Old Radioactive Materials Storage and Laydown Area (P-35)	61
						South Gravel Pit (P-38)	64

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Prelim. Scoping Track 1	Action	Interim Action	R1/FS	Sites Within Operable Unit	Site Code
8-03	X				WAG 8 (continued)	
					Corrosive Area Behind BB 11 (P-43)	68
					SWHU Unit #9 - Parking Lot Runoff Leaching Trenches	MRF-09
8-04	X				Site Incinerator (P-19)	45
					Degreasing Facility (P-30)	56
					SWHU Unit #10 - Sand Blasting Slag Trench	MRF-10
					SWHU Unit #15 - SIV Acid Spill Area	MRF-15
					SWHU Unit #18 - SIV Spray Ponds	MRF-18
					SWHU Unit #20 - AIV Acid Spill Area	MRF-20
					SWHU Unit #22 - AIV Painting Locker French Drain	MRF-22
					SWHU Unit #23 - Sewage Lagoons	MRF-23
8-05	X				AIV Transformer Yard (P-2)	28
					SSG Oily Waste Spill (P-3)	29
					AIV Oily Waste Spill (P-5)	31
					SIV Industrial Wastewater Spill Area (P-18)	44
					SIV Old Fuel Oil Tank Spill (P-32)	58
					ECF Acid Spill Area (P-36)	62
					Southeast Corner Oil Spill (P-39)	65
8-06	X				West Refuse Pit #4 (P-25)	51
					Original SIV Refuse Pit (P-33)	59
					SWHU Unit #1 - Field Area North of SIV	MRF-01
8-06	X				Lagoon Landfill #1 (P-9)	35
					Lagoon Landfill #2 (P-10)	36
					West Refuse Pit #1 (P-22)	48
					West Refuse Pit #2 (P-23)	49
					West Refuse Pit #3 (P-24)	50
					East Refuse Pits and Trenching Area (P-27)	53

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Action Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
8-07					X	WAG 8 (continued)	
						LDU Unit #1 - Industrial Waste Ditch	HRF-26"
8-08					X	WAG 8 Comprehensive RI/FS. Including: SSG Basin Sludge Disposal Bed (P-6) Seepage Basin Pump Out Area (P-17) Hot Storage Pit (P-41) SWMU Unit #2 - Old Ditch Surge Pond SWMU Unit #11 - SIV Seepage Basin #1: Title Drainfield SWMU Unit #12 - SIV Seepage Basin #2: Leaching Pit SWMU Unit #13 - SIV Seepage Basin #3: Temporary Leaching Pit SWMU Unit #14 - SIV Seepage Basin #4: Industrial Waste Lagoons SWMU Unit #16 - SIV Radiography Building Collection Tanks SWMU Unit #17 - SIV Retention Basins SWMU Unit #19 - AIV Leaching Bed SWMU Unit #21 - Old Sewage Treatment Plant	32 43 66 HRF-02 HRF-11 HRF-12 HRF-13 HRF-14 HRF-16 HRF-17 HRF-19 HRF-21

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action Track 2	RI/FS	Sites Within Operable Unit	Site Code
None	X				<p>VAG 9: EXPERIMENTAL BREEDER REACTOR NO. 2 (EBR-II)/TRANSIENT REACTOR TEST FACILITY (TREAT)</p> <hr/> <p>Dry Well between T-1 and ZPPR Mound</p> <p>Waste Retention Tank 783 (never used)</p> <p>Suspect Waste Retention Tank by 793 (removed 1979)</p> <p>Septic Tank and Drain Fields (2) by 753 (tank removed 1979)</p> <p>Dry Well by 768</p> <p>Dry Well by 759 (2)</p> <p>Dry Well by 720</p> <p>Septic Tank and Drain Field by 789 (removed 1979)</p> <p>Septic Tank and Leach Field by 793</p> <p>TREAT Suspect Waste tank and Leaching Field (non-radioactive)</p> <p>TREAT Septic Tank and Leaching Field</p> <p>TREAT Seepage Pit and Septic Tank W of 720 (filled 1980)</p> <p>Lab and office Acid Neutralization Tank</p> <p>Interior Building Coffin Neutralization Tank</p> <p>Critical Systems Maintenance Degreasing Unit</p> <p>TREAT Control Building 721 Septic Tank and Leach Field (present)</p> <p>TREAT Control Building 721 Septic tank and Seepage Pit (removed 1978)</p> <p>Plant Services Degreasing Unit</p>	<p>AHL-10</p> <p>AHL-11</p> <p>AHL-12</p> <p>AHL-14</p> <p>AHL-15</p> <p>AHL-16</p> <p>AHL-17</p> <p>AHL-18</p> <p>AHL-20</p> <p>AHL-21</p> <p>AHL-22</p> <p>AHL-23</p> <p>AHL-24</p> <p>AHL-25</p> <p>AHL-26</p> <p>AHL-32</p> <p>AHL-33</p> <p>AHL-27</p>
9-01				X	<p>Septic Tank 789-A</p> <p>Knawa Butte Debris Pile</p> <p>EBR-II Transformer Yard</p> <p>Sodium Boiler Building (766) Hotwell</p> <p>AHL Sewage Lagoons</p> <p>Sludge Pit W of T-7 (Imhoff Tank) (filled in 1979)</p> <p>EBR-II Sump (regeneration)</p> <p>Industrial Waste Lift Station</p> <p>Sanitary Waste Lift Station</p> <p>TREAT Photo Processing Discharge Ditch</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>AHL-04</p> <p>AHL-19</p> <p>AHL-28</p> <p>AHL-29</p> <p>AHL-30</p> <p>AHL-36</p>



TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Scoping Track 2	Interim Action	RI/FS	Sites Within Operable Unit	Site Code
9-02			X			WAG 9 (continued)  EBR-II Leach Pit (radioactive)	ANL-08
9-03			X			ANL Open Burn Pits #1, #2 and #3 Industrial/Sanitary Waste Lift Station (industrial side not used) Fuel Oil Spill by building 755	ANL-05 ANL-31 ANL-34
9-04					X	WAG 9 Comprehensive RI/FS, including: Industrial Waste Pond and Cooling Tower Blowdown Ditches (3) Main Cooling Tower Blowdown Ditch ANL Interceptor Canal Industrial Waste Lift Station Discharge Ditch Cooling Tower Riser Pits	ANL-01 ANL-01A** ANL-09 ANL-35 ANL-53

TABLE A.2 (continued) OPERABLE UNITS AND CERCLA PROCESS TRACKS

Operable Unit #	No Action	Prelim. Scoping Track 1	Interim Action Track 2	RI/FS	Sites Within Operable Unit	Site Code
None	X				WAG 10: MISCELLANEOUS SITES	
					-----	
					ARVFS Tank Containing Low-level Radioactive Waste (under white building)	ARVFS-02
					Dairy Farm Disposal Pit	DF-1
					EOCR Injection Well	EOCR-02
					EOCR Oxidation Pond	EOCR-03
					EOCR Septic Tank	EOCR-04
					APPR Disposal Pit (outside AML-V fence)	ZPPR-01
					ARVFS Containers of Contaminated Mak	ARVFS-01
					EOCR Leach Pond	EOCR-01
					EOCR Blowdown Sump (EOCR-719)	EOCR-05
10-01		X			LCCDA Old Disposal Pit (west end)	LCCDA-01
					LCCDA Limestone Treatment and Disposal Pit (east end)	LCCDA-02
10-02		X			OHRE Leach Pond	OHRE-01
10-03		X			Ordinance Areas (Including NODA)	
10-04			X		WAG 10 Comprehensive/Snake River Aquifer RI/FS	
10-05			X		Ordinance Interim Action	
					(Note: This interim action OU includes OU 4-01)	

\* COCA Land Disposal Units (LDUs)

\*\* COCA LDUs retaining LDU designation

\*\*\* OU 6-05, the Comprehensive RI/FS for WAG 6 will be incorporated into the Comprehensive RI/FS for WAG 10, OU 10-04







FIGURE A - TEN-YEAR ROD SCHEDULE FOR INEL ERP: WAG 4 CFA

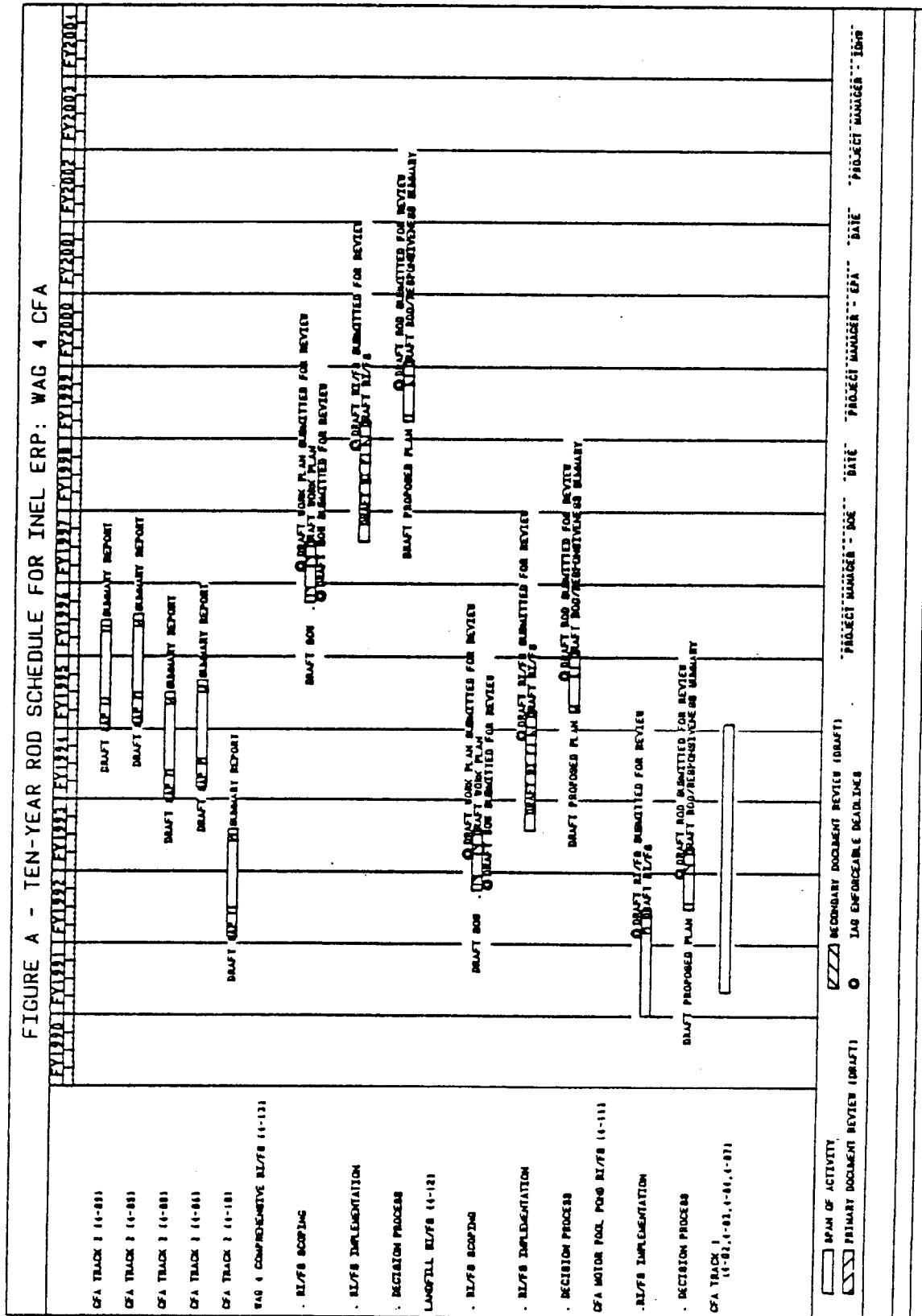










FIGURE A - TEN-YEAR ROD SCHEDULE FOR INEL ERP: WAG 8 NRF

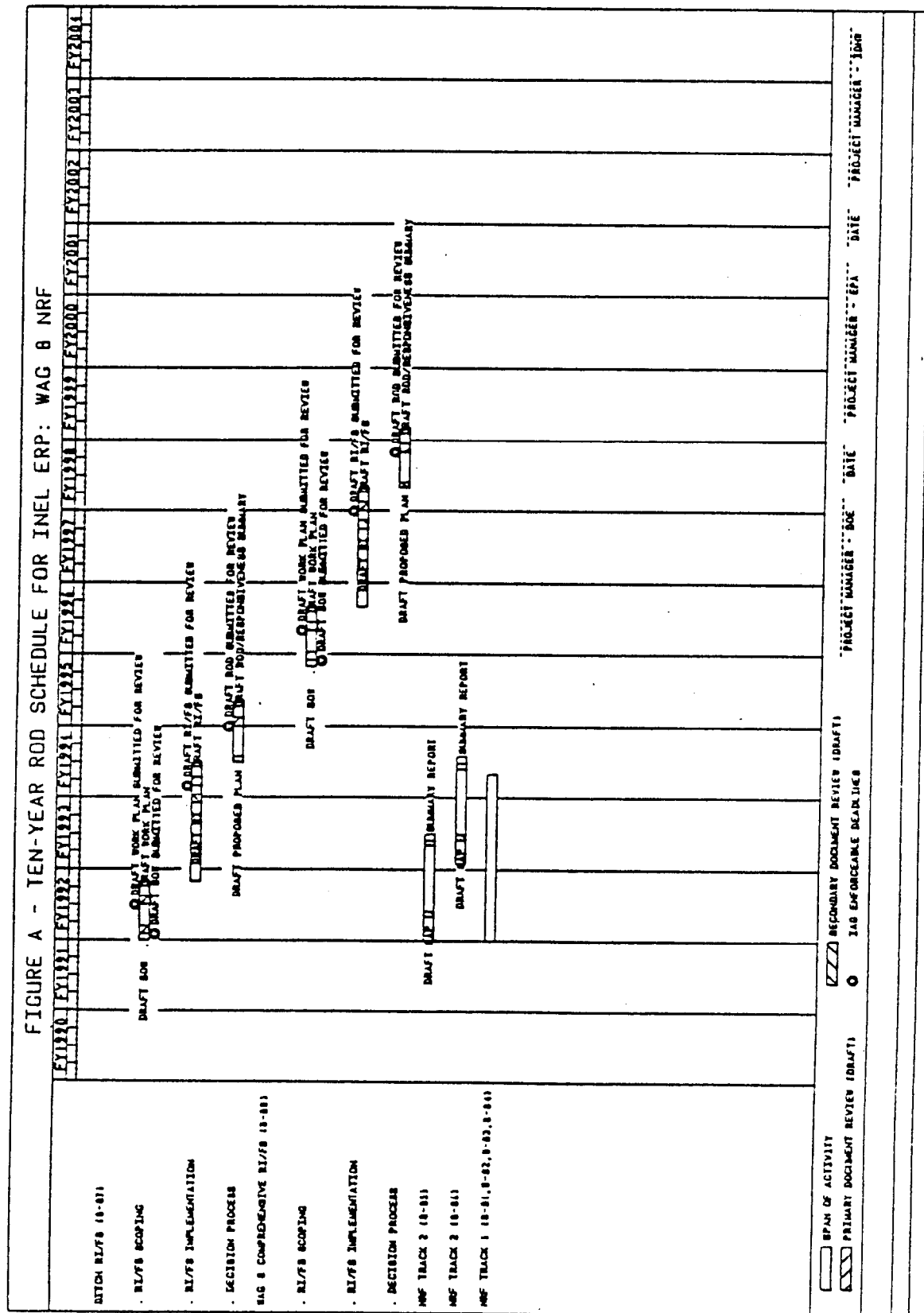
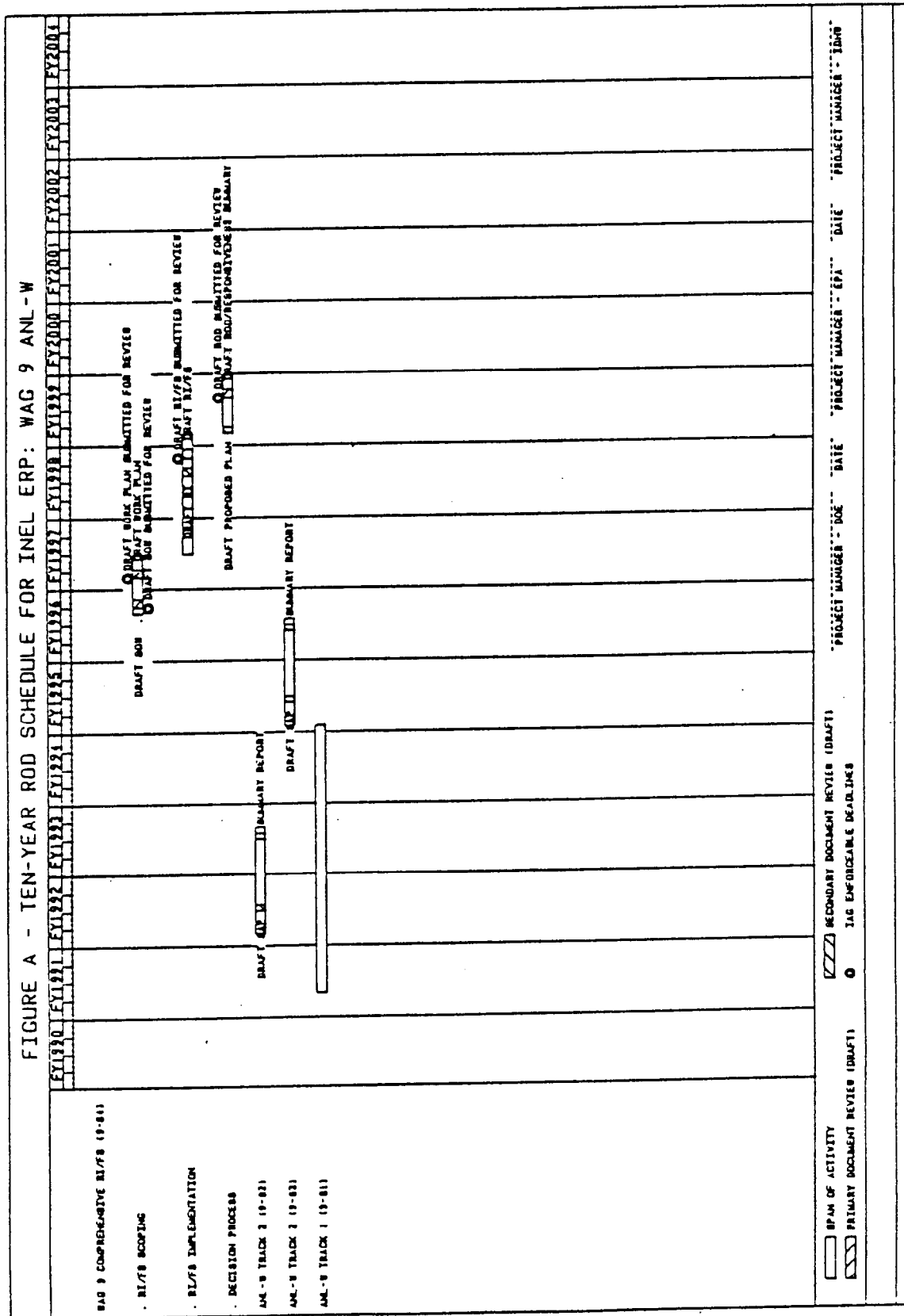


FIGURE A - TEN-YEAR ROD SCHEDULE FOR INEL ERP: WAG 9 ANL-W





## **Appendix B**

### **No Further Action Determination**

Appendix B

NO FURTHER ACTION DETERMINATION

The U. S. Department of Energy, U.S. Environmental Protection Agency-Region 10 and the State of Idaho have completed a review of the referenced information for \_\_\_\_\_ (Name) hazardous site, as it pertains to the INEL Federal Facility Agreement of \_\_\_\_\_ (Date). Based on this review, the Parties have determined that no further action for purposes of investigation or study is justified. This decision is subject to review at the time of issuance of the Record of Decision.

Brief Summary of the basis for no further action:

References:

DOE Project Manager \_\_\_\_\_ date

— EPA Project Manager \_\_\_\_\_ date

Idaho Project Manager \_\_\_\_\_ date

## **Appendix C**

### **Preliminary Scoping Track 2**

#### **Summary Report Outline**

PRELIMINARY SCOPING TRACK 2  
RECOMMENDED SUMMARY REPORT OUTLINE

- 1.0 INTRODUCTION
  - 2.0 SITE BACKGROUND
  - 3.0 DESCRIPTION OF HAZARDOUS SUBSTANCES
  - 4.0 GROUNDWATER CONCERNS (if applicable)
  - 5.0 SURFACE WATER CONCERNS (if applicable)
  - 6.0 AIR CONCERNS (if applicable)
  - 7.0 HEALTH AND ENVIRONMENTAL CONCERNS
  - 8.0 QUALITY ASSURANCE/QUALITY CONTROL
  - 9.0 RECOMMENDATIONS FOR REMEDIAL ACTION
  - 10.0 REFERENCES
- APPENDICES



**APPENDIX D**  
**PROJECT MANAGER DESIGNATIONS**